



Product Suitability

PRH-1009-A-SAFE-27022024-2

Product Suitability

Click on the product title below to jump to the specific product page.

Pedestrian Barriers

eFlex Pedestrian Barrier 3 Rail

iFlex Pedestrian Barrier 3 Rail

iFlex Swing Gate Long

iFlex Swing Gate Short

iFlex Slide Gate

Micro Barriers

mFlex Single Traffic Barrier Ground Level

mFlex Single Traffic Barrier

mFlex Double Traffic Barrier

Single Traffic Barriers

eFlex Single Traffic Barrier

iFlex Single Traffic Barrier

Double Traffic Barriers

eFlex Double Traffic Barrier

iFlex Double Traffic Barrier

Atlas Double Traffic Barrier

Atlas Triangle Traffic Barrier

Atlas Polygon Traffic Barrier

Traffic Barriers+

eFlex Single Traffic Barrier+

iFlex Single Traffic Barrier+

iFlex Double Traffic Barrier+

Atlas Double Traffic Barrier+

Topple Barriers

Topple Barrier

Heavy Duty Topple Barrier

Low Level Protection

ForkGuard

Heavy Duty ForkGuard

Step Guard

Column & Corner Guards

Padded Column Guard

FlexiShield ColumnGuard

FlexiShield Corner Guard

iFlexRail Column Guard

iFlexRail Column Guard+

Gates

iFlex Dock Gate

iFlex Dock Gate XL

eFlex Dock Gate

Traffic Gate

Height Restrictor & Alarm Bar

iFlex Height Restrictor

Alarm Bar

Under Guard

Under Guard

Under Guard with Heavy Duty ForkGuard

RackEnd Barriers

eFlex Single RackEnd Barrier

eFlex Single RackEnd Barrier with ForkGuard

eFlex Double RackEnd Barrier

eFlex Double RackEnd Barrier with ForkGuard

iFlex Single RackEnd Barrier

iFlex Single RackEnd Barrier with ForkGuard

RackGuard

Cold Storage

eFlex Cold Storage ForkGuard Barrier

iFlex Cold Storage Pedestrian Barrier 3 Rail

iFlex Cold Storage Single Traffic Barrier

iFlex Cold Storage Single Traffic Barrier+

iFlex Cold Storage Bollard

iFlex Cold Storage Height Restrictor

Cold Storage Single RackEnd Barrier

Cold Storage RackGuard

Bollards

iFlex Bollard

iFlex Heavy Duty Bollard

Monoplex Bollard 130

Monoplex Bollard 190

Retractable Barrier Tape and Signage

Retractable Barrier (Belt Barrier - US)

A4 Sign Board Unit

Sign Cap

Sign Post

Service Yard

Dock Buffer

Truck Stop

Coach Stop

Car Stop

Car Park Specific Protection

Vehicle Impact & Anti-climb Car Park Barrier

iFlex Single Car Park Barrier

Slider Base Plates

eFlex Pedestrian Barrier 3 Rail



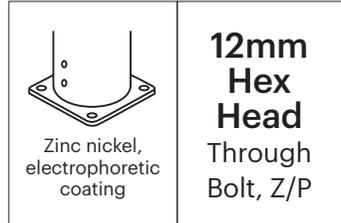
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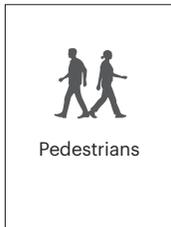
ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
233 - 1100mm
(9 1/8 - 43 1/8 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Environmental information

Research conducted by a leading plastic solutions company* showed that producing one metric tonne of polymer generates less carbon emissions than producing a tonne of steel**. Therefore, from the very outset of raw material production, polymer provides a significant CO₂ saving over steel.

For more information visit A-SAFE.com

* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Pedestrian Barrier 3 Rail



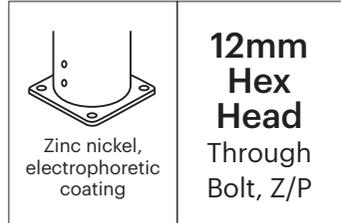
Environment



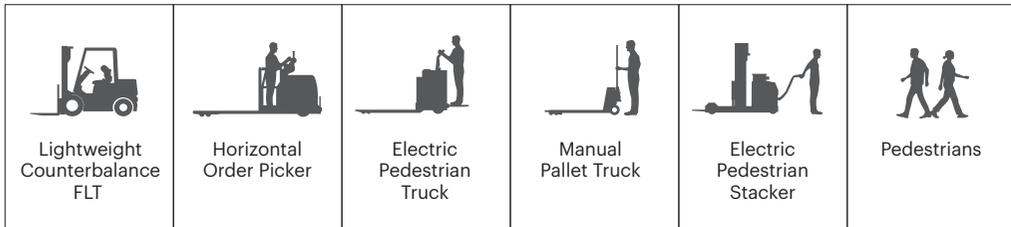
ATEX Suitability



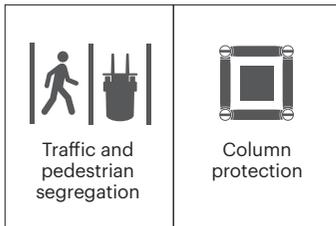
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
450 - 1100mm
(17½ - 43½ inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
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Hygiene Seals	Yes

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Swing Gate



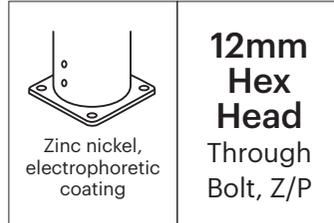
Environment



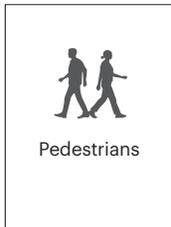
ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

These gates are not impact products



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
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Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

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Fire information

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Slide Gate



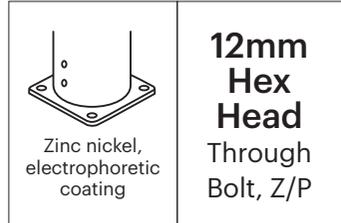
Environment



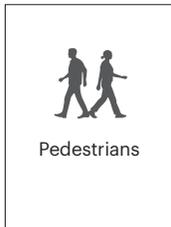
ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

These gates are not impact products



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
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Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

mFlex Single Traffic Barrier Ground Level



Environment



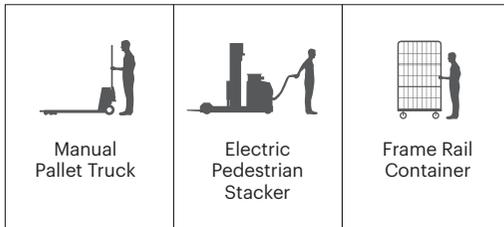
ATEX Suitability



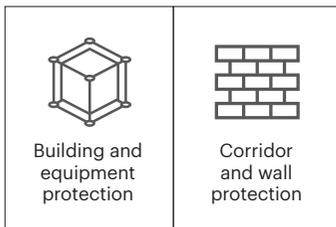
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
50 - 150mm
(2 - 6 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

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Fire information

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
 Mixed Recycled		Steel	Steel

mFlex Single Traffic Barrier



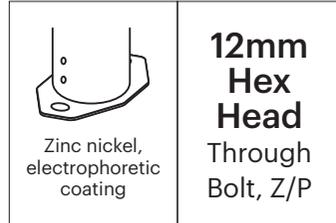
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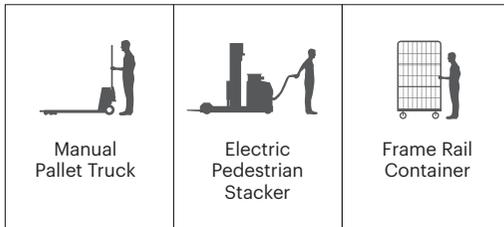
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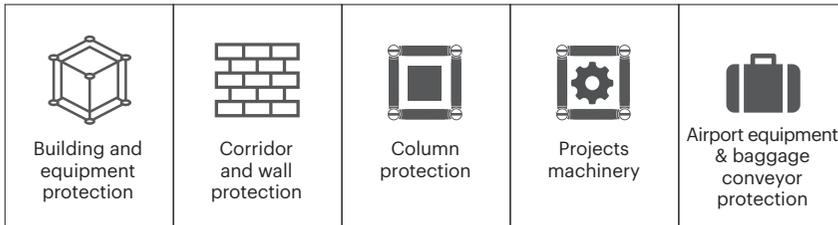
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

150 - 250mm
(6 - 9 5/8 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

mFlex Double Traffic Barrier



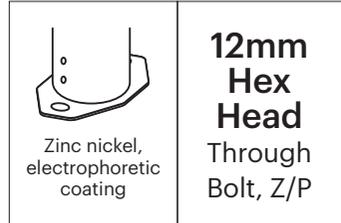
Environment



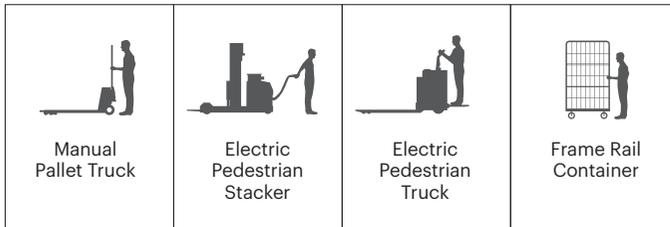
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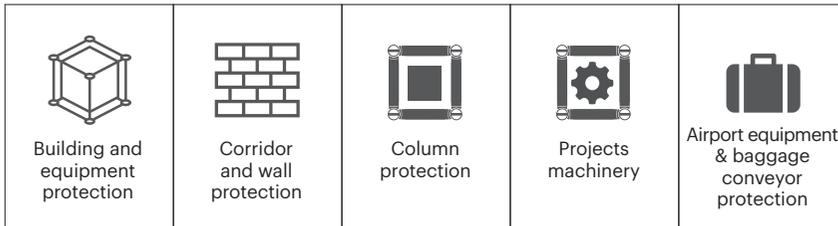
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

150 - 450mm
(6 - 17 7/8 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

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Fire information

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

eFlex Double Traffic Barrier



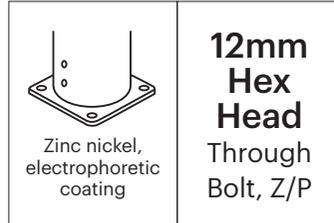
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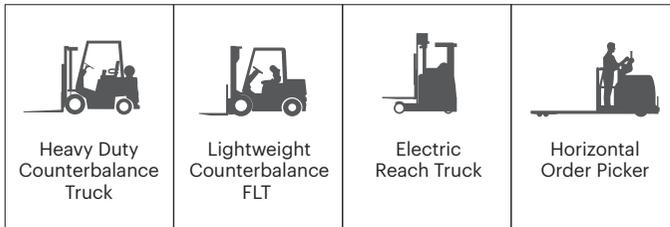
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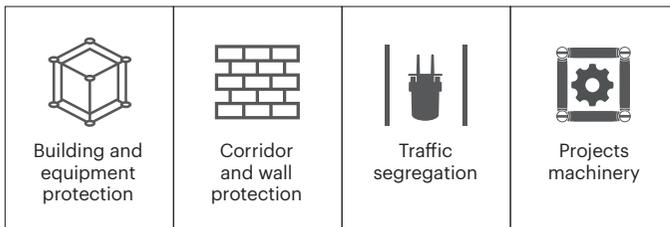
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

204 - 729mm
(8 - 28 3/4 inches)



Material Properties	MEMAPLEX™
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Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Double Traffic Barrier



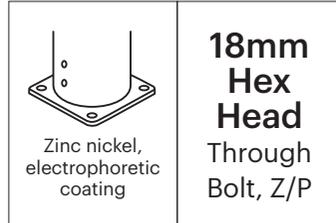
Environment



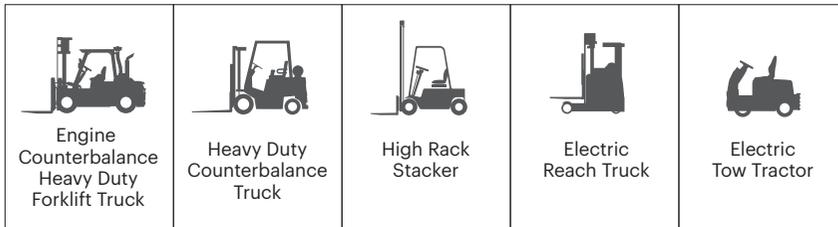
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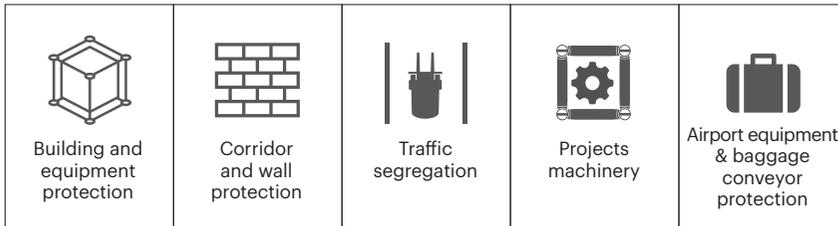
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

205 - 745mm
(8 - 29 1/2 inches)



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Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

Atlas Double Traffic Barrier



Environment



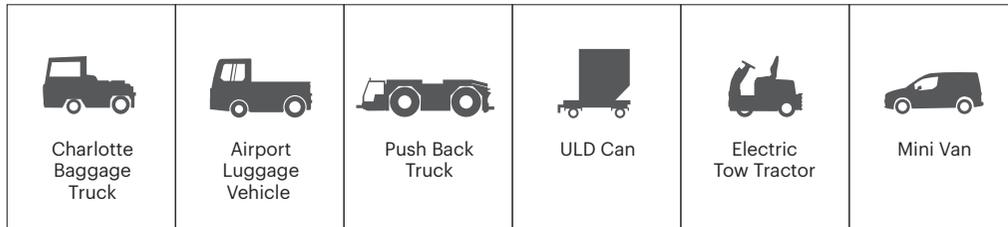
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Fit for purpose application



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For more information visit A-SAFE.com

* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
Mixed Recycled	5	Steel	Steel

Atlas Triangle Traffic Barrier



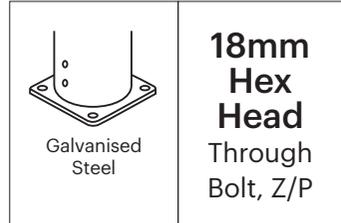
Environment



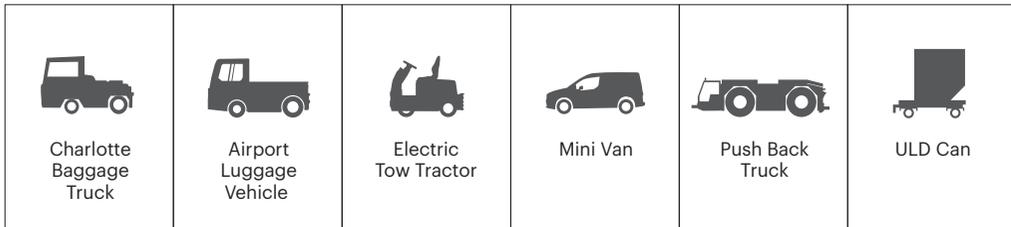
ATEX Suitability



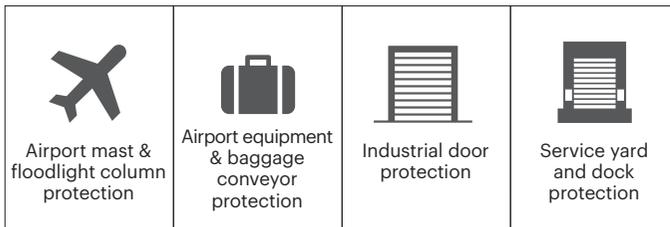
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
205 - 745mm
(8 - 29 1/2 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Environmental information

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

Atlas Polygon Traffic Barrier



Environment



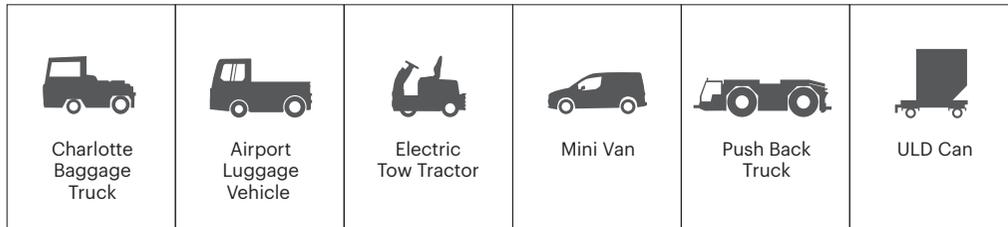
ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
205 - 745mm
(8 - 29 1/2 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

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Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

Topple Barrier



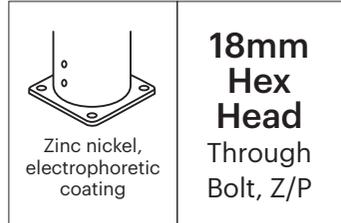
Environment



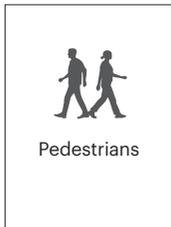
ATEX Suitability



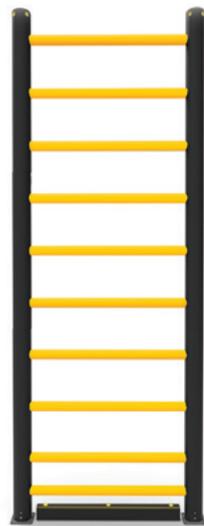
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

This Topple product is not an impact product

Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Environmental information

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
 Mixed Recycled		Steel	Steel

Heavy Duty Topple Barrier



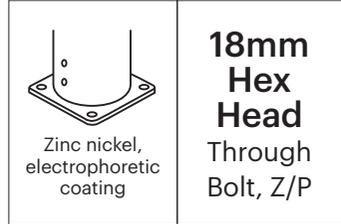
Environment



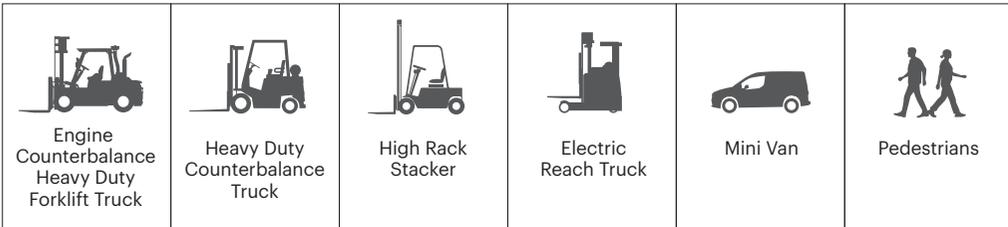
ATEX Suitability



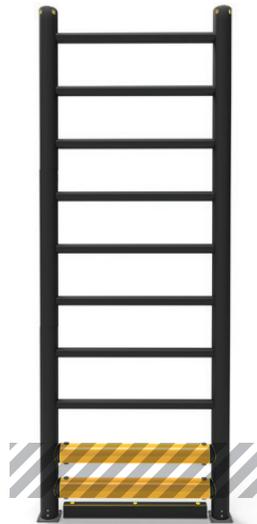
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
205 - 745mm
(8 - 29½ inches)

Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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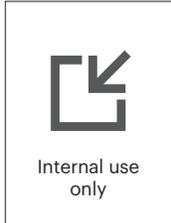
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
 Mixed Recycled		Steel	Steel

ForkGuard



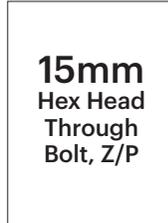
Environment



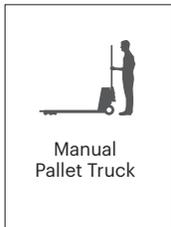
ATEX Suitability



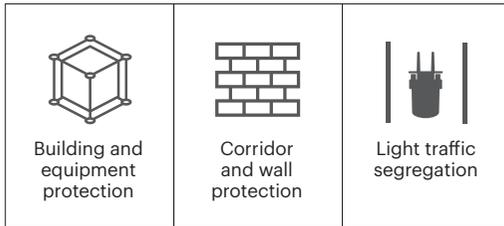
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

0 - 185mm
(0 - 7 1/2 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE ForkGuard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

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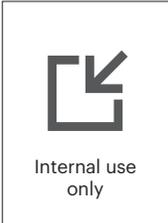
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information		
Packaging 	ForkGuard 	Fixings Steel

Heavy Duty ForkGuard



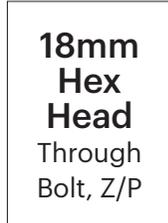
Environment



ATEX Suitability



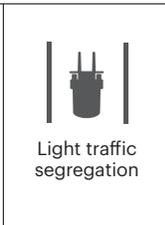
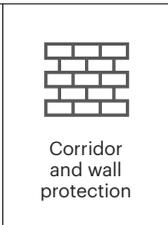
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

0 - 185mm
(0 - 7 1/2 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE ForkGuard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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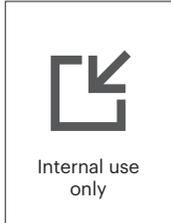
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information		
Packaging 	ForkGuard 	Fixings Steel

Step Guard



Environment



ATEX Suitability



Standard Base and Fixing

600mm	24OD M16 Anchor
900mm	
1200mm	

Vehicle Suitability

Manual Pallet Truck	Electric Pedestrian Stacker	Electric Reach Truck	Horizontal Order Picker	Lightweight Counterbalance FLT	VNA	Heavy Duty Counterbalance Truck

Fit for purpose application

Building and equipment protection	Corridor and wall protection	Traffic segregation

Impact Zone

0 - 185mm
(0 - 7 1/2 inches)



Material Properties	MONOPLEX™
Temperature Range	5°C to 40°C
Ignition Temperature	>400 °C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

A-SAFE Step Guard is manufactured from an advanced Monoplex material. A material that offers the highest levels of flexibility and resilience without compromising on Fire safety.

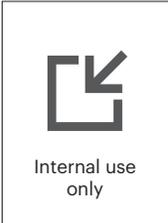
Monoplex has an ignition temperature of 400° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE Step Guard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Recycling Information		
		Fixings
		Steel

Padded Column Guard



Environment



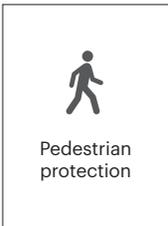
ATEX Suitability



Vehicle Suitability



Fit for purpose application



Impact Zone

This is not an impact suitable product



Product Description

A polyether polyurethane foam which has a high load bearing capacity and provides optimum protection in packaging applications.

Typical Physical Properties

Physical properties are measured using test methods based on the relevant BS EN ISO standards.

Nominal Piece Density Range	21-24 kg/m ³
Nominal CLD Hardness (40%)	6-8 kPa
Nominal Tensile Strength	Min 100 kPa.
Nominal Elongation at Break	Min 100%.
Compression Set	15% Max.

FIRE TESTS ACCORDING TO BS 5867 - 2:2008 Fabrics for curtains, drapes and window blinds – Part 2: Flammability requirements - Specification

Procedure

Specimens of Ref: 610GSM PVC Matt FR, Style: FP18MY were subjected to the test method as described in BS EN ISO 15025:2002, procedure "A" Surface ignition. The samples were tested in the 'as received' state only, after being conditioned for 24 hours in an atmosphere having a temperature of 20 ± 2°C and a relative humidity of 65 ± 5%.

Pre-treatment: None

Type B performance requirements

No part of any hole nor any part of the lowest boundary of any flame shall reach the top edge or either vertical edge of the sample. If any part of any hole or any part of the lowest boundary of any flame, reaches the top edge or either vertical edge, or if there is any separation of any flaming debris droplets in the testing of one specimen, a further six specimens shall be tested. If all six new specimens comply with the above requirements, the fabric shall be deemed to conform to the requirements for type "B" of the above standard.

Results

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use. They also only relate to the materials tested. They do not guarantee to represent the performance of production materials.

Original Condition	Warp/Length			Weft/Width		
	1 ↑	2 ↓	3 ↗	1 →	2 ←	3 ↘
Flames reached edge?	No	No	No	No	No	No
Hole reached edge?	No	No	No	No	No	No
Flaming debris?	No	No	No	No	No	No

FlexiShield Column Guard



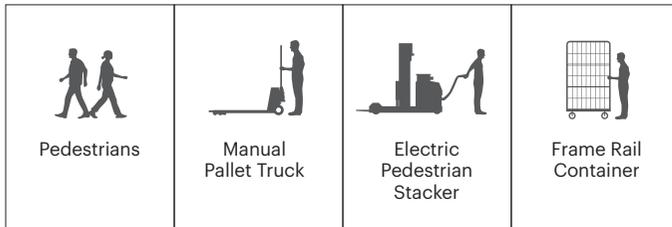
Environment



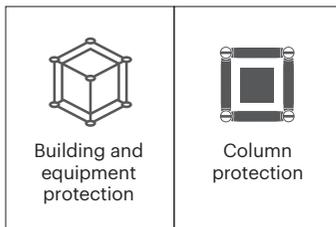
ATEX Suitability



Vehicle Suitability

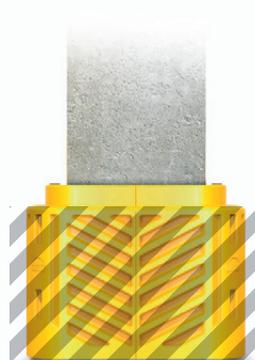


Fit for purpose application



Impact Zone

0 - 1000mm
(0 - 39 3/8 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE Column Guard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Environmental information

Research conducted by a leading plastic solutions company* showed that producing one metric tonne of polymer generates less carbon emissions than producing a tonne of steel**. Therefore, from the very outset of raw material production, polymer provides a significant CO₂ saving over steel.

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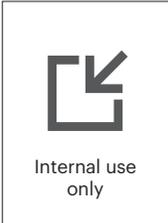
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information	
<p>Packaging</p> <p>Mixed Recycled</p>	<p>Column Guard</p>

FlexiShield Corner Guard



Environment



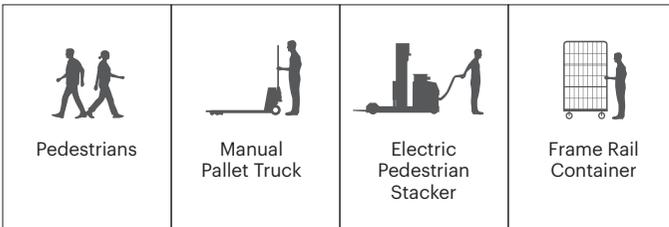
ATEX Suitability



Standard Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
0 - 1000mm
(0 - 39 3/8 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

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Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE Corner Guard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Recycling Information		
Packaging 	Corner Guard 	Fixings Steel

iFlexRail Column Guard



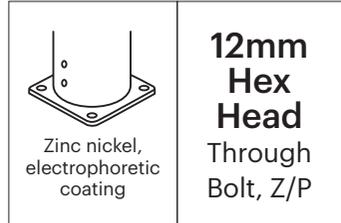
Environment



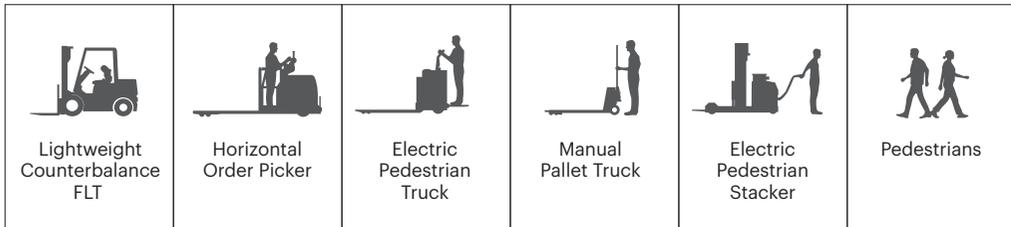
ATEX Suitability



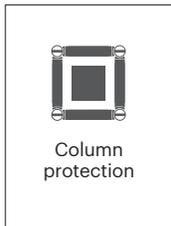
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
450 - 1100mm
(17½ - 43½ inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Environmental information

Research conducted by a leading plastic solutions company* showed that producing one metric tonne of polymer generates less carbon emissions than producing a tonne of steel**. Therefore, from the very outset of raw material production, polymer provides a significant CO₂ saving over steel.

For more information visit A-SAFE.com

* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlexRail Column Guard+



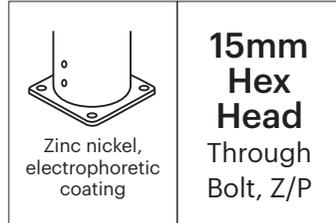
Environment



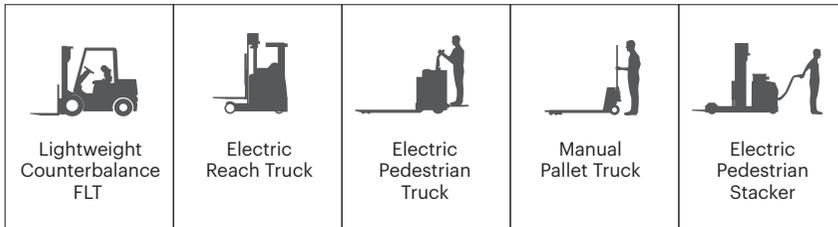
ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
205 - 395mm
(8 - 15% inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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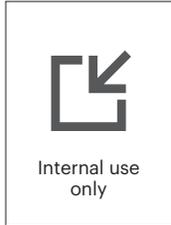
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Dock Gate



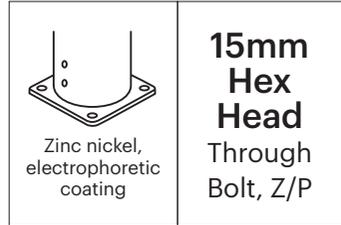
Environment



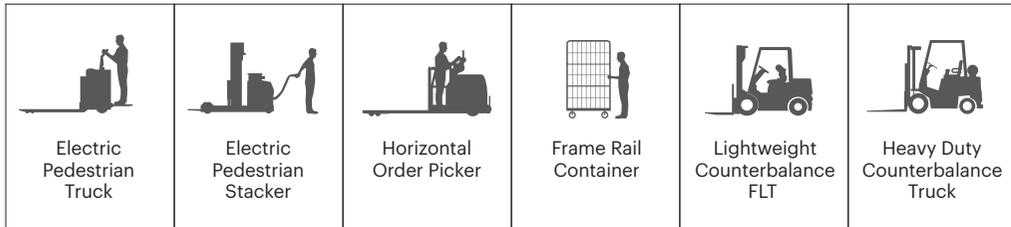
ATEX Suitability



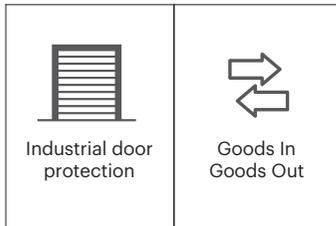
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

365 - 555mm
(14 3/8 - 21 7/8 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE gate to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Environmental information

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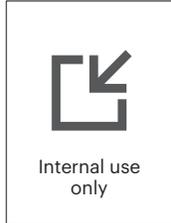
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information		
<p>Mixed Recycled</p>		<p>Fixings</p> <p>Steel</p>

iFlex Dock Gate XL



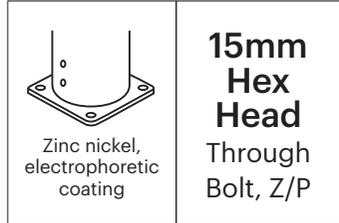
Environment



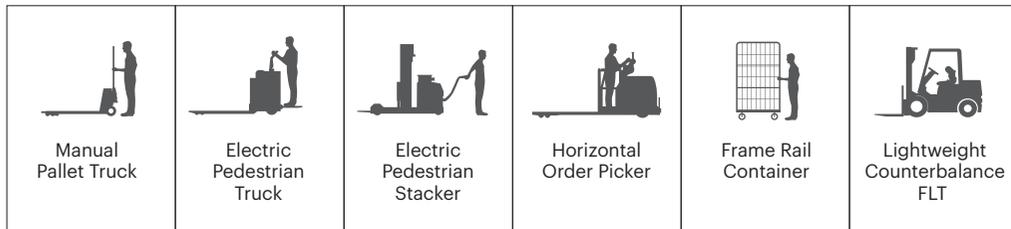
ATEX Suitability



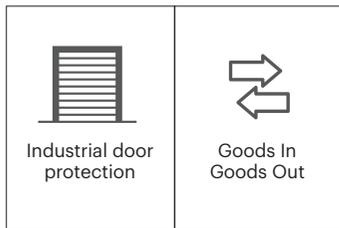
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

365 - 555mm
(14% - 21% inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE gate to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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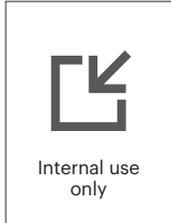
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information		
<p>Mixed Recycled</p>	<p>Post and Rails</p>	<p>Fixings</p> <p>Steel</p>

eFlex Dock Gate



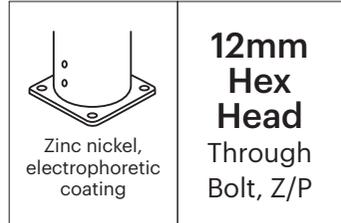
Environment



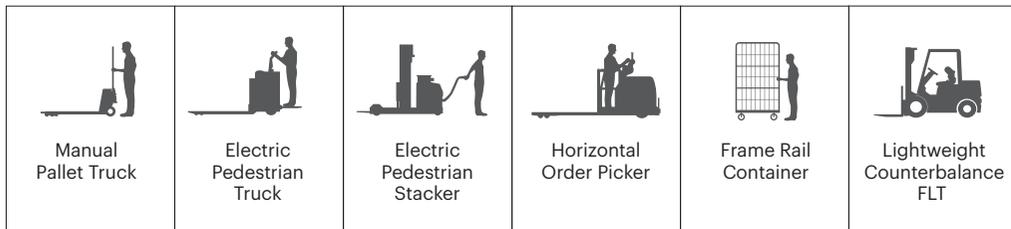
ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

381 - 539mm
(15 - 21 1/8 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE gate to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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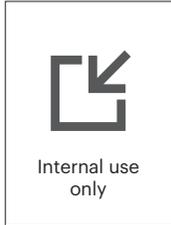
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information		
<p>Mixed Recycled</p>	<p>Post and Rails</p>	<p>Fixings</p> <p>Steel</p>

Traffic Gate



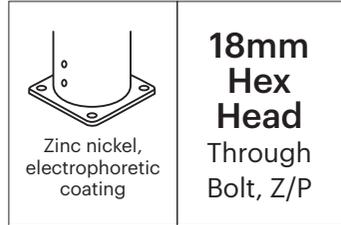
Environment



ATEX Suitability



Standard Base and Fixing



Vehicle Suitability

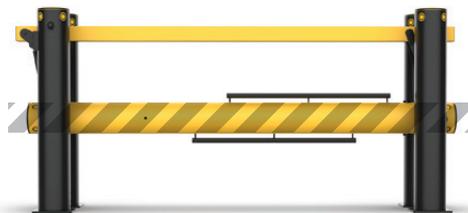


Fit for purpose application



Impact Zone

455 - 645mm
(18 - 25½ inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE gate to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Recycling Information			
Packaging	Post and Rails	Fixings	Gas Strut
		Steel	Steel

iFlex Height Restrictor



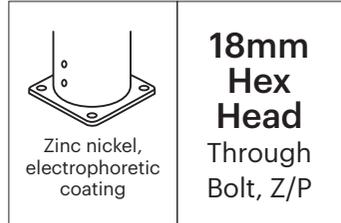
Environment



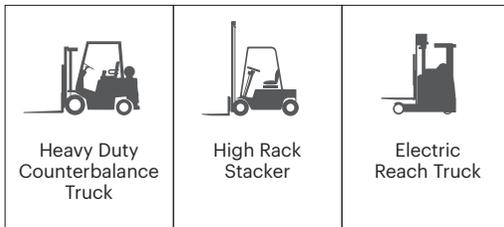
ATEX Suitability



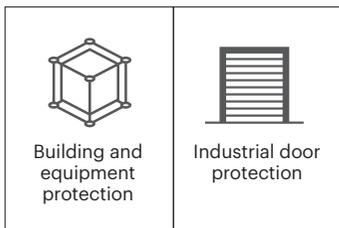
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
0 - 1200mm
(0 - 47¼ inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

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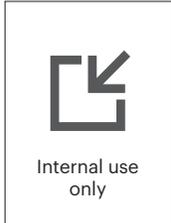
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and internals	Fixings	Bases
		Steel	Steel

Alarm Bar



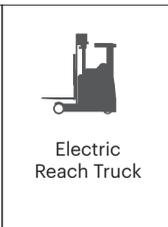
Environment



ATEX Suitability



Vehicle Suitability



Fit for purpose application



Impact Zone Height dependant



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE alarm bar to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

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Recycling Information		
<p>Packaging Mixed Recycled</p>	<p>Rail</p>	<p>Electrical Components</p>

Under Guard



Environment



ATEX Suitability



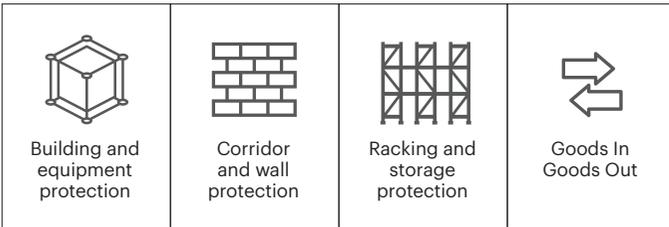
Standard Fixing



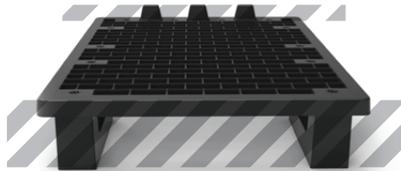
Vehicle Suitability



Fit for purpose application



Impact Zone
0 - 304mm
(0 - 12 inches)



Material Properties	PP	Nylon
Temperature Range	-10°C to 50°C	-10°C to 50°C
Ignition Temperature	370°C to 390°C	Self extinguishing
Flash Point	350°C to 370°C	Self extinguishing
Toxicity	Not Hazardous	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358	Generally good
Weathering Stability (Grey Scale)	5/5*	5/5*
Light Stability (Blue Wool Scale)	7/8**	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information - PP

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE UnderGuard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Fire information - Nylon

UL certification ensures that the product or material meets the requirements of the end user, by testing to approved standards through test houses that must meet stringent criteria in terms of data handling, test competency and independence. A-SAFE undertakes to ensure the product is tested to UL94 standard (and any other test requirement) by a Nationally Recognised Testing Laboratory (NRTL), and to maintain certification by regular retesting of the product throughout its production life.

Recycling Information		
Packaging 	Under Guard 	Fixings Steel

Under Guard with Heavy Duty Forkguard



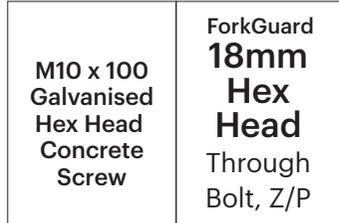
Environment



ATEX Suitability



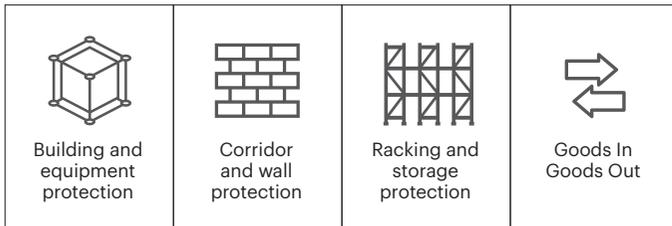
Standard Fixing



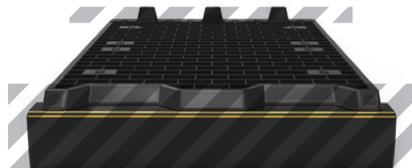
Vehicle Suitability



Fit for purpose application



Impact Zone
0 - 304mm
(0 - 12 inches)



Material Properties	PP	Nylon
Temperature Range	-10°C to 50°C	-10°C to 50°C
Ignition Temperature	370°C to 390°C	Self extinguishing
Flash Point	350°C to 370°C	Self extinguishing
Toxicity	Not Hazardous	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358	Generally good
Weathering Stability (Grey Scale)	5/5*	5/5*
Light Stability (Blue Wool Scale)	7/8**	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information - PP

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE UnderGuard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Fire information - Nylon

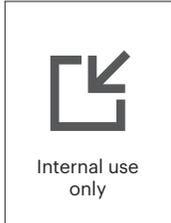
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Recycling Information		
Packaging 	Under Guard 	Fixings Steel

eFlex Single RackEnd Barrier



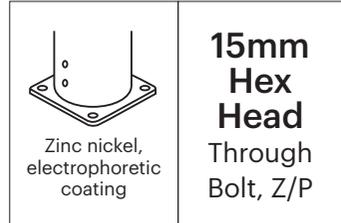
Environment



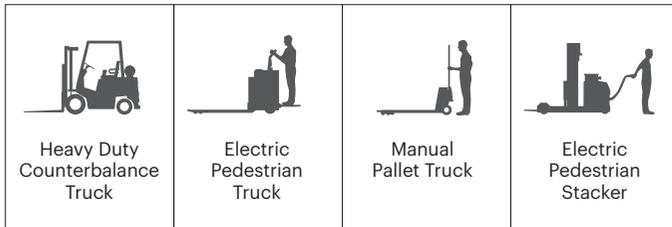
ATEX Suitability



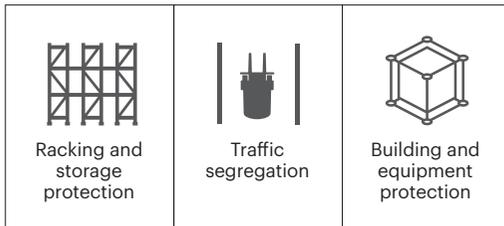
Standard Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

255 - 345mm
(10 - 13 1/2 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Environmental information

Research conducted by a leading plastic solutions company* showed that producing one metric tonne of polymer generates less carbon emissions than producing a tonne of steel**. Therefore, from the very outset of raw material production, polymer provides a significant CO₂ saving over steel.

For more information visit A-SAFE.com

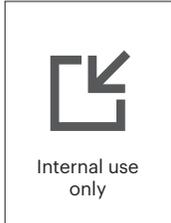
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and internals	Fixings	Bases
		Steel	Steel

eFlex Single RackEnd Barrier with ForkGuard



Environment



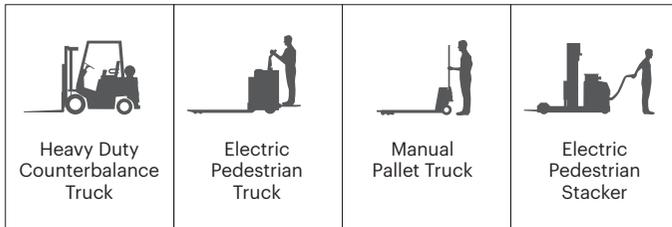
ATEX Suitability



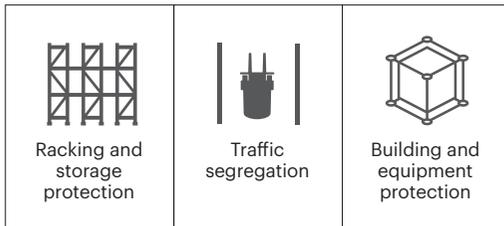
Standard Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

255 - 345mm
(10 - 13 1/2 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

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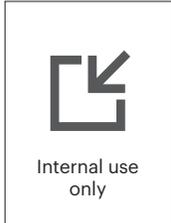
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and internals	Fixings	Bases
		Steel	Steel

eFlex Double RackEnd Barrier



Environment



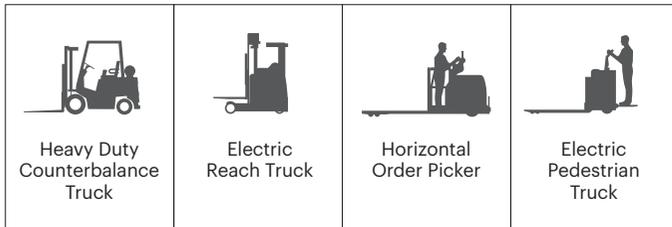
ATEX Suitability



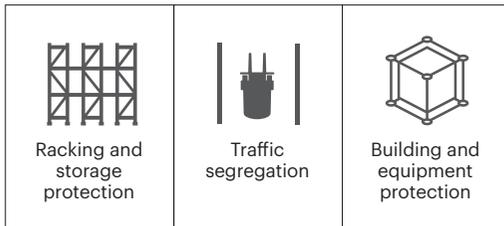
Standard Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
185 - 405mm
(7 1/4 - 16 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

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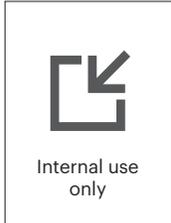
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and internals	Fixings	Bases
		Steel	Steel

eFlex Double RackEnd Barrier with ForkGuard



Environment



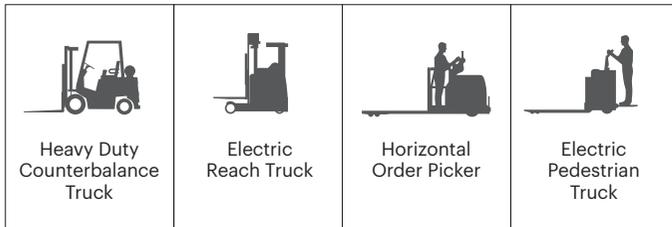
ATEX Suitability



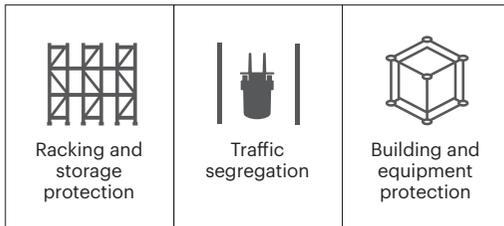
Standard Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

185 - 405mm
(7 1/4 - 16 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

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Recycling Information			
Packaging	Post and internals	Fixings	Bases
		Steel	Steel

iFlex Single RackEnd Barrier



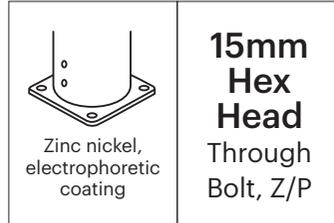
Environment



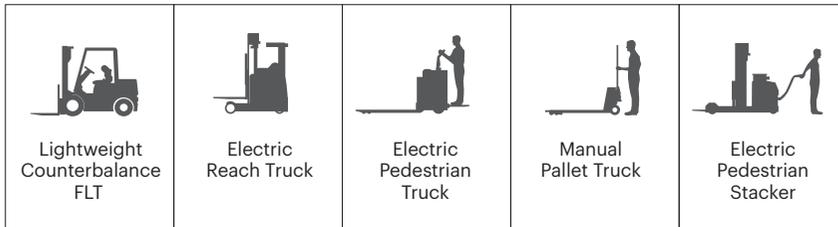
ATEX Suitability



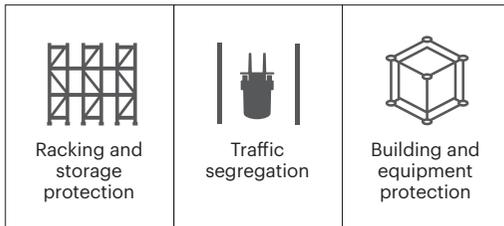
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

205 - 395mm
(8 - 15% inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Single RackEnd Barrier with ForkGuard



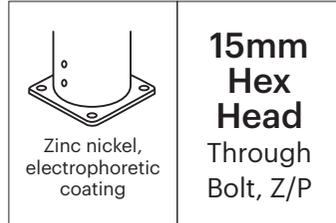
Environment



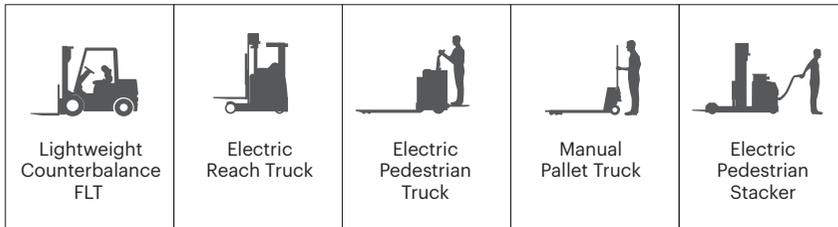
ATEX Suitability



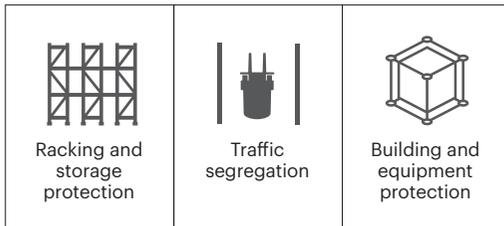
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

205 - 395mm
(8 - 15% inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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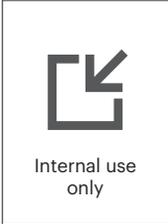
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

RackGuard



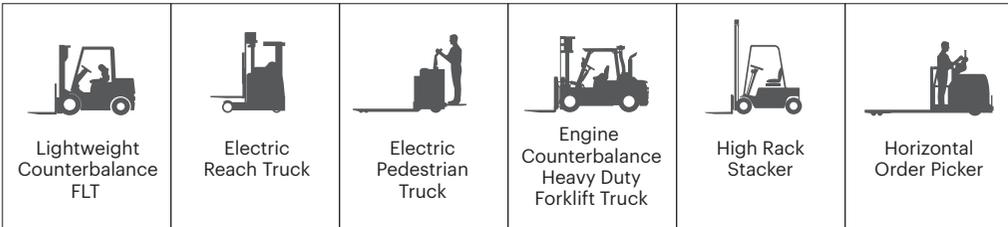
Environment



ATEX Suitability



Vehicle Suitability



Fit for purpose application



Impact Zone
400 & 600mm versions available



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE RackGuard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

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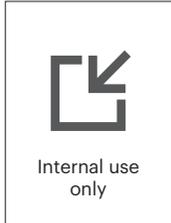
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information	
<p>Mixed Recycled</p>	<p>RackGuard</p>

eFlex Cold Storage ForkGuard Barrier



Environment



ATEX Suitability



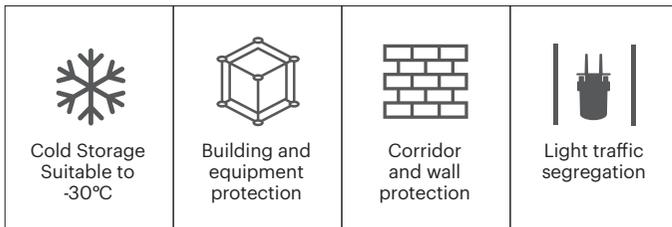
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

0 - 185mm
(0 - 7 1/2 inches)



Material Properties	MEMAPLEX TM SUB-ZERO
Temperature Range	-30°C to 0°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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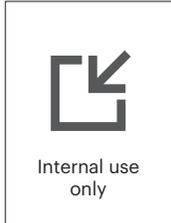
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	ForkGuard	Fixings	Bases
		Steel	Steel

iFlex Cold Storage Pedestrian Barrier 3 Rail



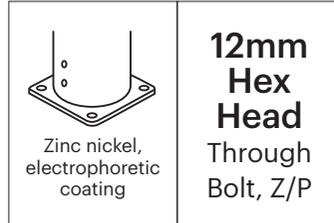
Environment



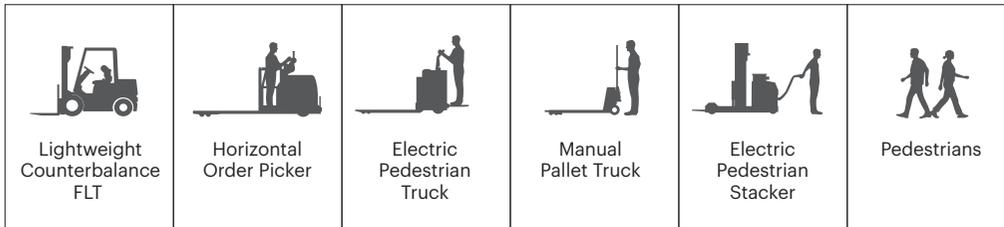
ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
450 - 1100mm
(17½ - 43½ inches)



Material Properties	MEMAPLEX TM SUB-ZERO
Temperature Range	-30°C to 0°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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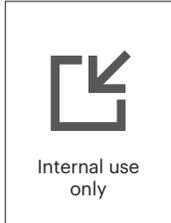
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Cold Storage Single Traffic Barrier



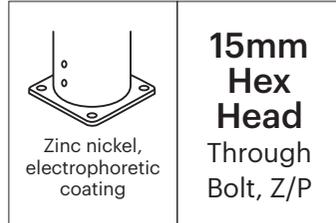
Environment



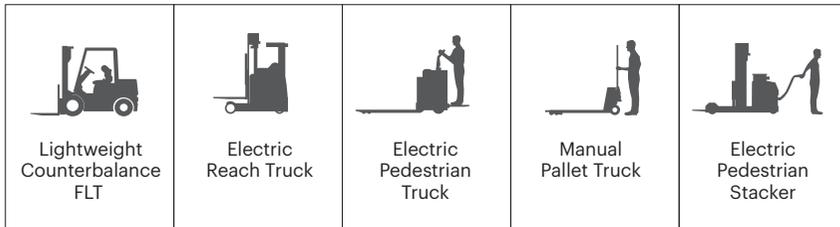
ATEX Suitability



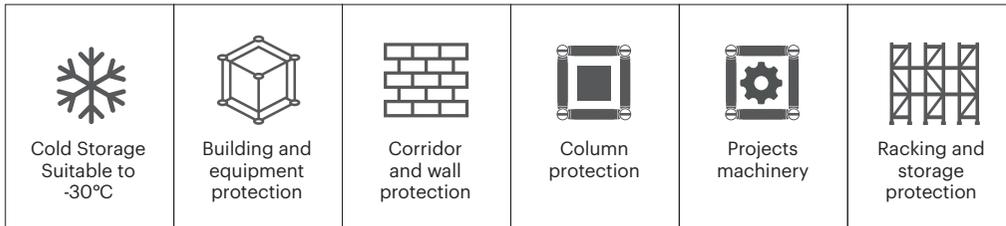
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

205 - 395mm
(8 - 15% inches)



Material Properties	MEMAPLEX TM SUB-ZERO
Temperature Range	-30°C to 0°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

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Fire information

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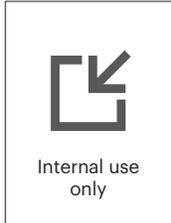
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Cold Storage Single Traffic Barrier+



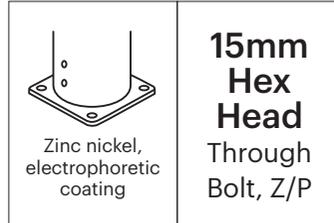
Environment



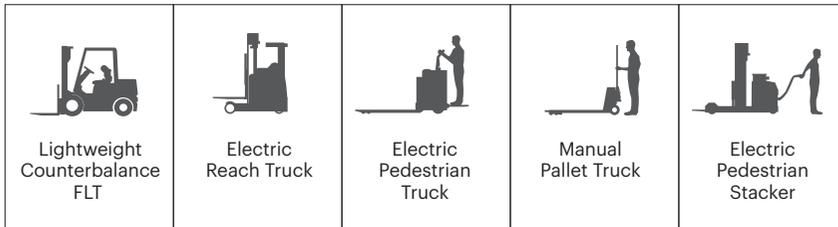
ATEX Suitability



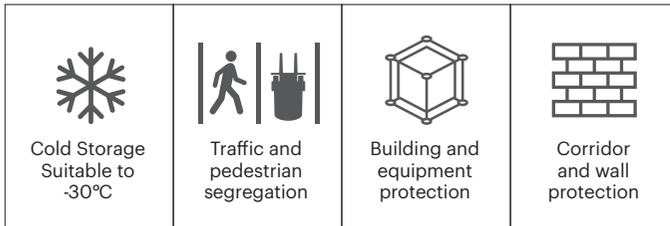
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
205 - 395mm
(8 - 15% inches)



Material Properties	MEMAPLEX TM SUB-ZERO
Temperature Range	-30°C to 0°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Environmental information

Research conducted by a leading plastic solutions company* showed that producing one metric tonne of polymer generates less carbon emissions than producing a tonne of steel**. Therefore, from the very outset of raw material production, polymer provides a significant CO₂ saving over steel.

For more information visit A-SAFE.com

* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Cold Storage Bollard



Environment

Internal use only

ATEX Suitability

Not suitable in an explosive atmosphere

Standard Base and Fixing

Zinc nickel, electrophoretic coating

18mm CSK SKT Head Through Bolt, Z/P

Vehicle Suitability

Lightweight Counterbalance FLT	Heavy Duty Counterbalance Truck	Engine Counterbalance Heavy Duty Forklift Truck	Electric Pedestrian Truck	Horizontal Order Picker

Fit for purpose application

Cold Storage Suitable to -30°C	Pedestrians	Column protection	Building and equipment protection	Industrial door protection	Traffic segregation

Impact Zone
0 - 1200mm
(0 - 47¼ inches)



Material Properties	MEMAPLEX TM SUB-ZERO
Temperature Range	-30°C to 0°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

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Environmental information

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For more information visit A-SAFE.com

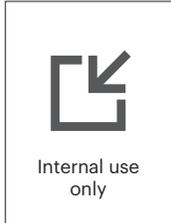
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Bollard	Fixings	Bases
		Steel	Steel

iFlex Cold Storage Height Restrictor



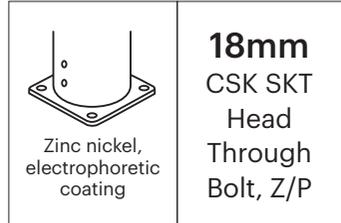
Environment



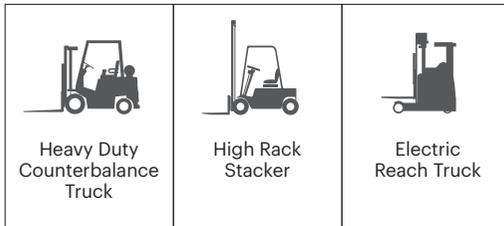
ATEX Suitability



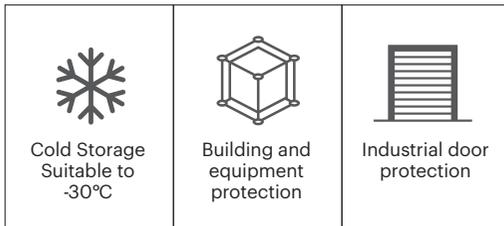
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
0 - 1200mm
(0 - 47¼ inches)



Material Properties	MEMAPLEX TM SUB-ZERO
Temperature Range	-30°C to 0°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Environmental information

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For more information visit A-SAFE.com

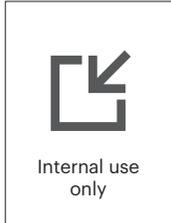
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

Cold Storage Single RackEnd Barrier



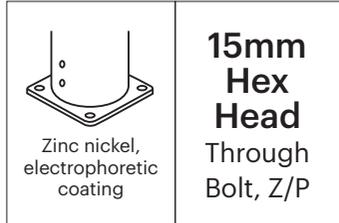
Environment



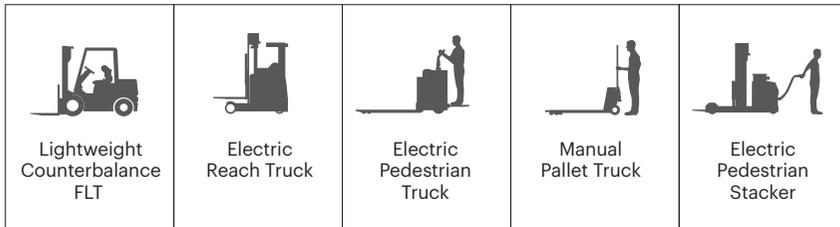
ATEX Suitability



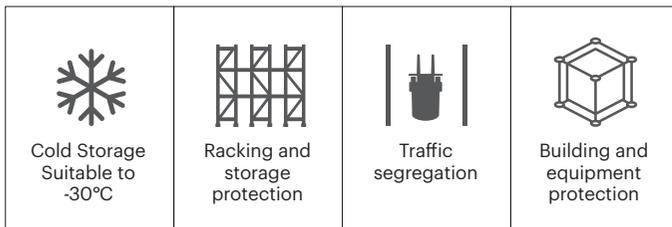
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

250 - 350mm
(9% - 13% inches)



Material Properties	MEMAPLEX TM SUB-ZERO
Temperature Range	-30°C to 0°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Environmental information

Research conducted by a leading plastic solutions company* showed that producing one metric tonne of polymer generates less carbon emissions than producing a tonne of steel**. Therefore, from the very outset of raw material production, polymer provides a significant CO₂ saving over steel.

For more information visit A-SAFE.com

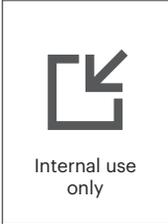
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

RackGuard Cold Storage



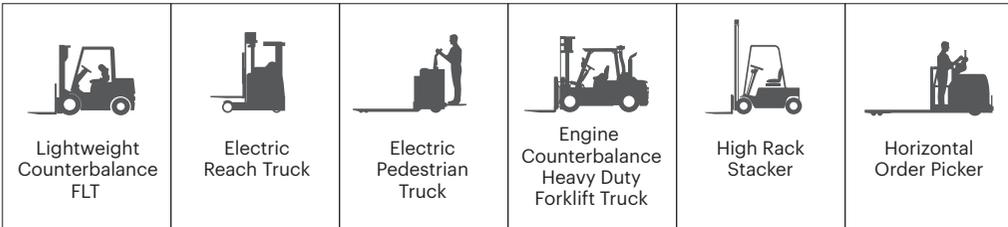
Environment



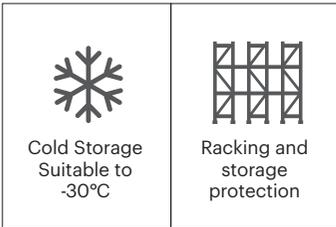
ATEX Suitability



Vehicle Suitability



Fit for purpose application



Impact Zone
400 & 600mm versions available



Material Properties	MEMAPLEX TM SUB-ZERO
Temperature Range	-30°C to 0°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE RackGuard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

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Recycling Information	
<p>Mixed Recycled</p>	<p>RackGuard</p>

iFlex Bollard



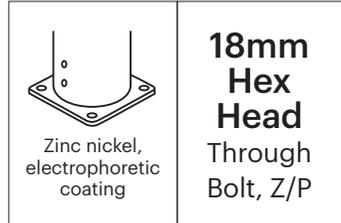
Environment



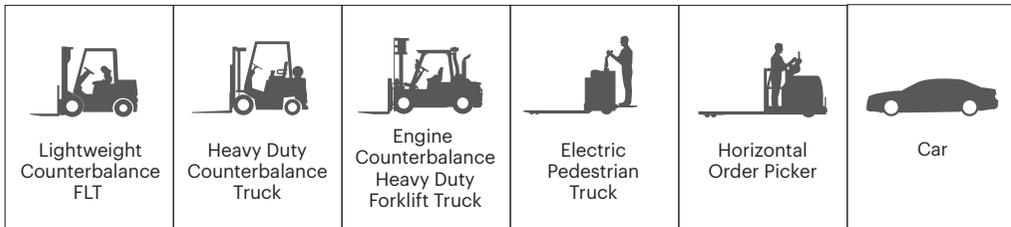
ATEX Suitability



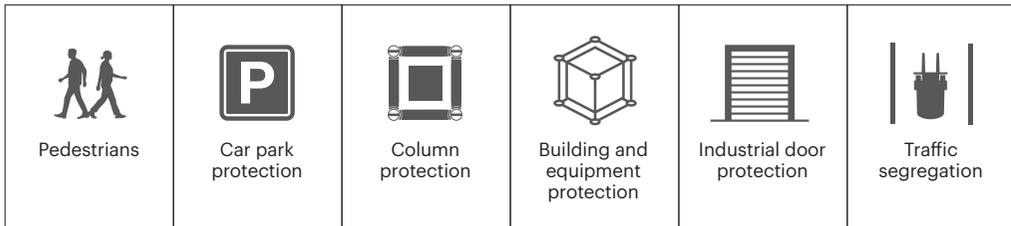
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
0 - 1200mm
(0 - 47¼ inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE bollard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Recycling Information			
Packaging	Post and internals	Fixings	Bases
Mixed Recycled		Steel	Steel

iFlex Heavy Duty Bollard



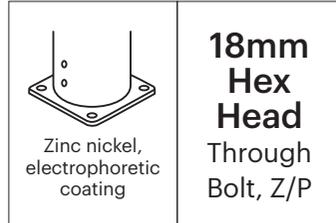
Environment



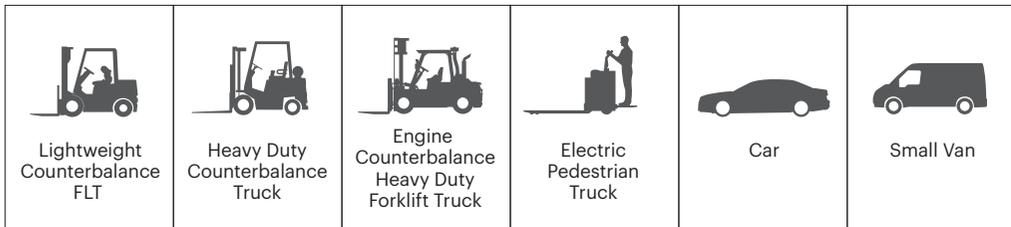
ATEX Suitability



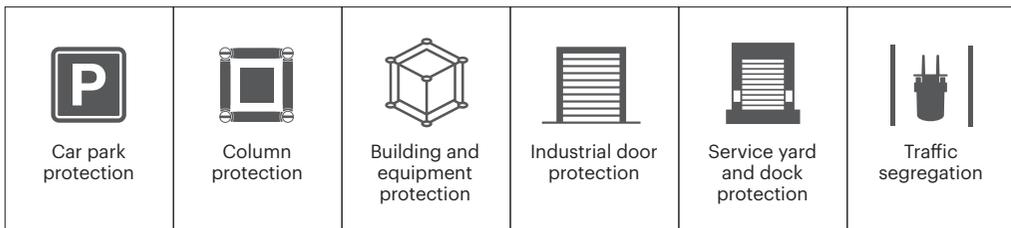
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
0 - 1200mm
(0 - 47¼ inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE bollard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Recycling Information			
Packaging	Post and internals	Fixings	Bases
 Mixed Recycled		Steel	Steel

Retractable Barrier (Belt Barrier - US)



Environment



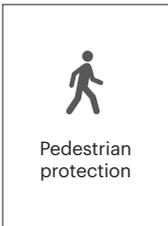
ATEX Suitability



Vehicle Suitability



Fit for purpose application



Impact Zone

This is not an impact suitable product



Material Properties	
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω

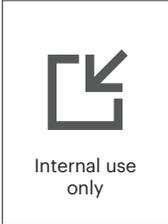
* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Recycling Information			
Packaging  Mixed Recycled	Retractable Barrier Unit 	Internal Fixing Unit  FE	Webbing (Polyester)  PET

A4 Sign Board



Environment



ATEX Suitability



Material Properties

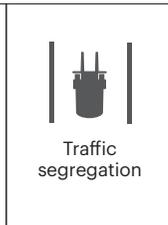
This item is purchased from a third party and therefore, product composition details are not readily available.

Q1 2024 will see A-SAFE manufacture a version of this product in-house and replace this existing version. New product information will be released once this is launched.

Vehicle Suitability



Fit for purpose application



Impact Zone

This is not an impact suitable product



Sign Cap



Environment



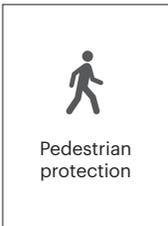
ATEX Suitability



Vehicle Suitability



Fit for purpose application



Impact Zone

This is not an impact suitable product



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE sign cap to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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For more information visit A-SAFE.com

* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information	
<p>Packaging</p> <p>Mixed Recycled</p>	<p>Cap and fixings</p>

Sign Post



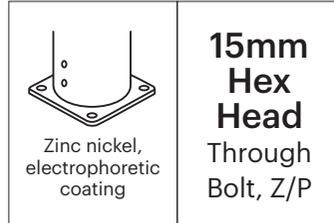
Environment



ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
This is not an impact suitable product



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE sign post to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

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Recycling Information	
<p>Packaging</p> <p>Mixed Recycled</p>	<p>Cap and fixings</p>

Dock Buffer



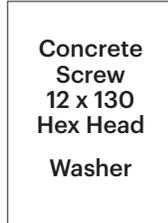
Environment



ATEX Suitability



Standard Base and Fixing



Vehicle Suitability

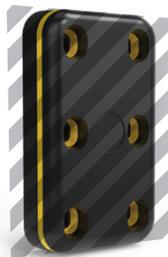


Fit for purpose application



Impact Zone

Dependant on the installation positioning



Material Properties	MONOPLEX™
Temperature Range	5°C to 40°C
Ignition Temperature	>400 °C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

A-SAFE Step Guard is manufactured from an advanced Monoplex material.

A material that offers the highest levels of flexibility and resilience without compromising on Fire safety.

Monoplex has an ignition temperature of 400° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE Step Guard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Recycling Information		
Packaging 	Dock Buffer 	Fixings Steel

Truck Stop



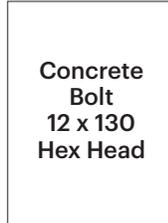
Environment



ATEX Suitability



Standard Base and Fixing



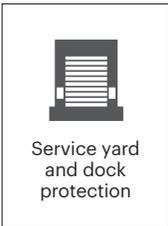
Material Properties

This item is purchased from a third party and therefore, product composition details are not readily available.

Vehicle Suitability



Fit for purpose application



Impact Zone

0 - 160mm
(0 - 6³/₁₆ inches)



Coach Stop



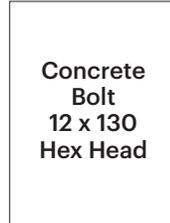
Environment



ATEX Suitability



Standard Base and Fixing



Material Properties

This item is purchased from a third party and therefore, product composition details are not readily available.

Vehicle Suitability



Fit for purpose application



Impact Zone

0 - 80mm
(0 - 3 1/8 inches)



Car Stop



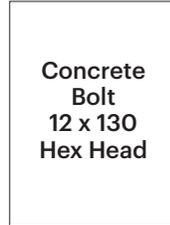
Environment



ATEX Suitability



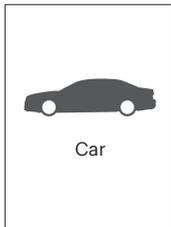
Standard Base and Fixing



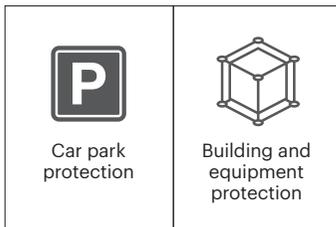
Material Properties

This item is purchased from a third party and therefore, product composition details are not readily available.

Vehicle Suitability



Fit for purpose application



Impact Zone

0 - 80mm
(0 - 3 1/8 inches)



iFlex Single Car Park Barrier



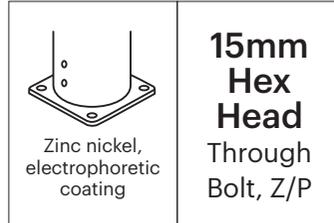
Environment



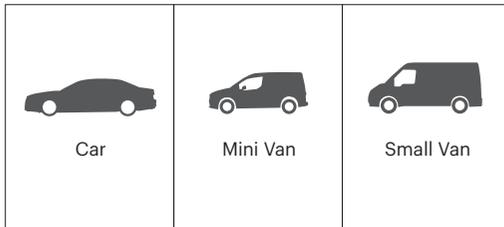
ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

365 - 555mm
(14 3/8 - 21 7/8 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Polymer has been engineered to remain stable up to a temperature of 350° Celsius. In contrast, PVC starts breaking down at between 249° Celsius and 273° Celsius, and materials such as wood will burn instantly.

Our material has been specially developed to minimise the release of smoke during combustion. Furthermore, unlike environmentally hazardous polymers like PVC, it does not release harmful dioxins, hydrogen cyanide or hydrogen chloride when burnt.

Environmental information

Research conducted by a leading plastic solutions company* showed that producing one metric tonne of polymer generates less carbon emissions than producing a tonne of steel**. Therefore, from the very outset of raw material production, polymer provides a significant CO₂ saving over steel.

For more information visit A-SAFE.com

* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

Slider Base Plates



Environment



Internal use only

ATEX Suitability



Not suitable in an explosive atmosphere

Standard Base and Fixing

18mm Hex Head
Through Bolt, Z/P

Slider Plate - Life Expectancy and Maintenance Requirements

Cast Iron offers longevity where installations have been proven to last well in excess of 100 years.

Minimal maintenance is required for A-SAFE castings, annual inspections are recommended but if systems are correctly installed, only periodic painting should be required.

Vehicle Suitability

Multiple vehicles - dependant on barrier

Fit for purpose application



Removable Barrier

Impact Zone
This is not an impact suitable product



Recycling Information

<p>Packaging</p>  <p>Mixed Recycled</p>	<p>Base</p>  <p>40 Ductile Iron</p>	<p>Fixings</p> <p>Steel</p>
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iFlex Anti-Climb Car Park Barrier



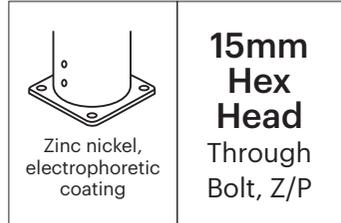
Environment



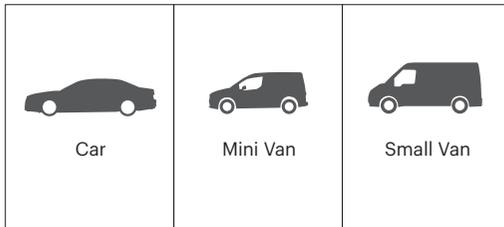
ATEX Suitability



Standard Base and Fixing



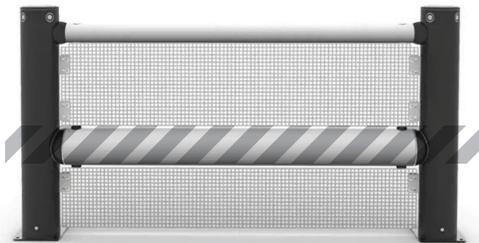
Vehicle Suitability



Fit for purpose application



Impact Zone
365 - 555mm
(14 3/8 - 21 7/8 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

eFlex Single Traffic Barrier+



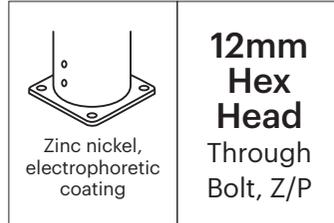
Environment



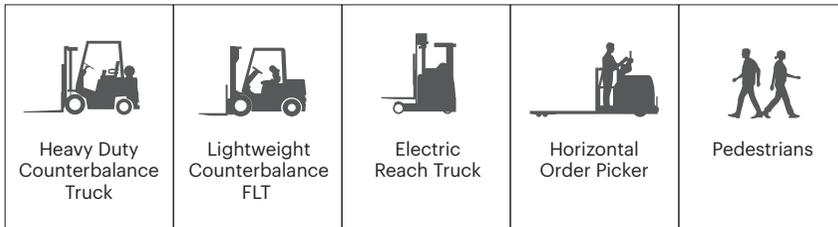
ATEX Suitability



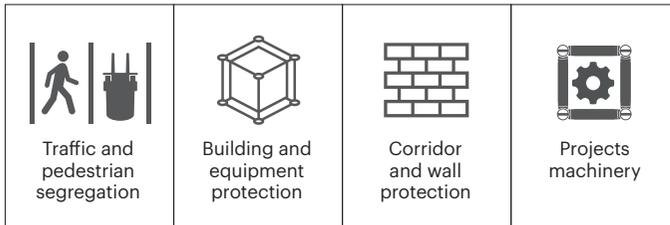
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
204 - 362mm
(8 - 14¼ inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Single Traffic Barrier+



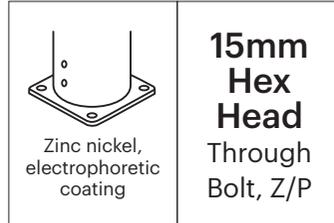
Environment



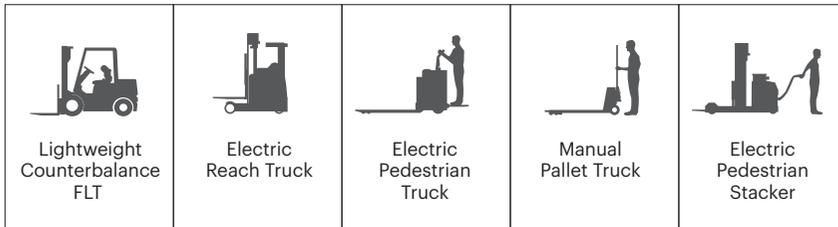
ATEX Suitability



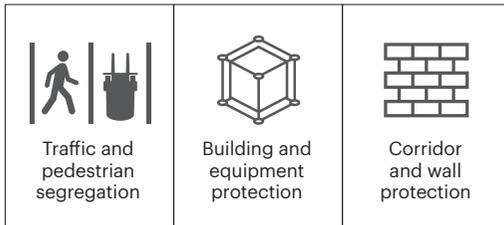
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
205 - 395mm
(8 - 15% inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

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Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Double Traffic Barrier+



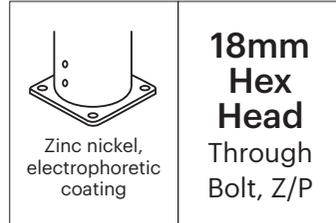
Environment



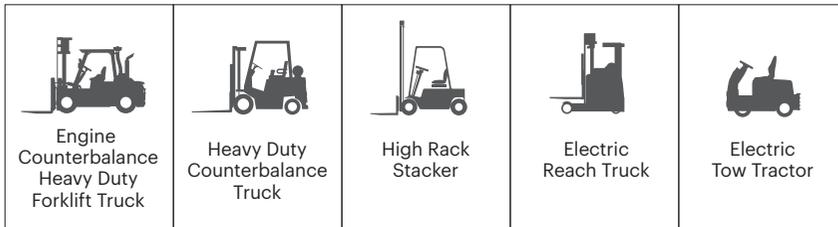
ATEX Suitability



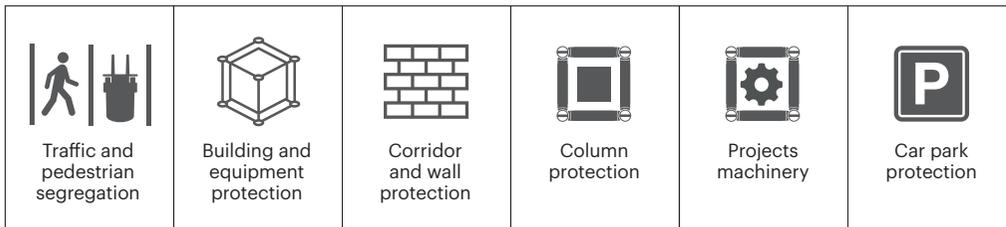
Standard Base and Fixing



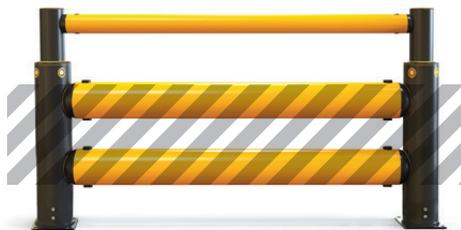
Vehicle Suitability



Fit for purpose application



Impact Zone
205 - 745mm
(8 - 29 1/2 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

eFlex Single Traffic Barrier



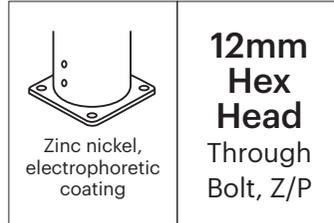
Environment



ATEX Suitability



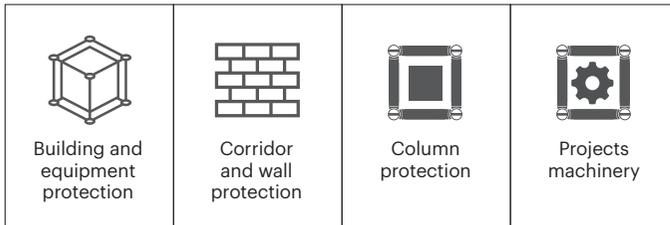
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

204 - 362mm
(8 - 14¼ inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent barrier

Fire information

Manufactured from polypropylene. Polypropylene has an ignition temperature of 370° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE barrier to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

iFlex Single Traffic Barrier



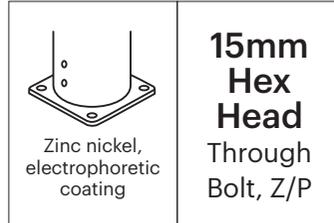
Environment



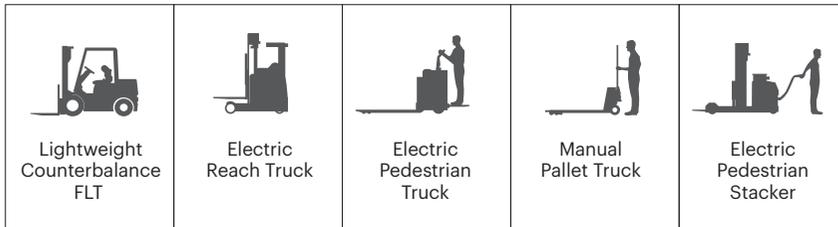
ATEX Suitability



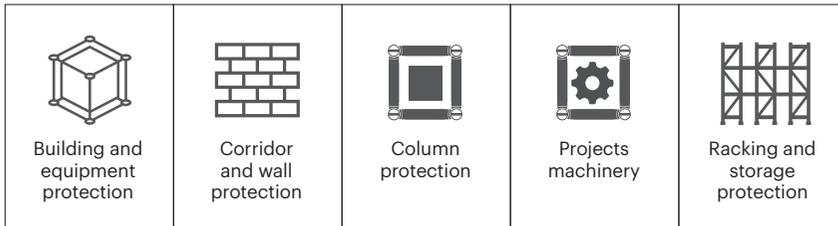
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone

205 - 395mm
(8 - 15% inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

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Recycling Information			
Packaging	Post and Rails	Fixings	Bases
		Steel	Steel

Atlas Double Traffic Barrier+



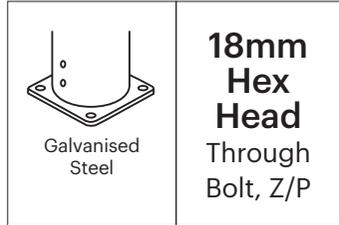
Environment



ATEX Suitability



Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
205 - 745mm
(8 - 29 1/2 inches)



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 ¹⁵ - 10 ¹⁶ Ω
Hygiene Seals	Yes

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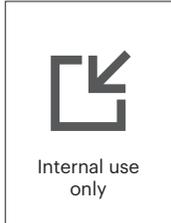
* <http://www.borealisgroup.com> ** www.liloontheweb.org.uk/handbook/carbonfootprint

Recycling Information			
<p>Mixed Recycled</p>	<p>Post and Rails</p>	<p>Fixings</p> <p>Steel</p>	<p>Bases</p> <p>Steel</p>

Monoplex Bollard 130mm



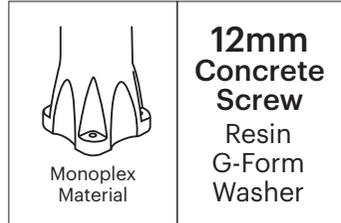
Environment



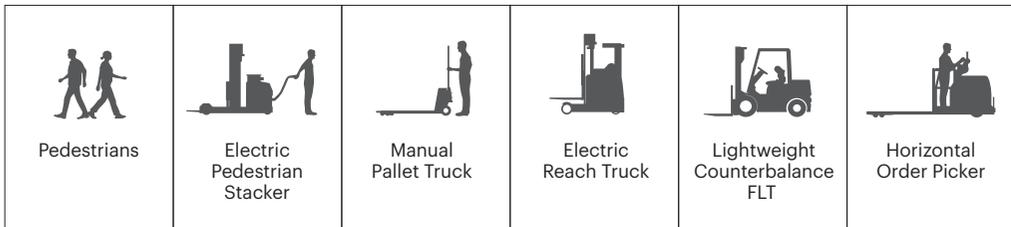
ATEX Suitability



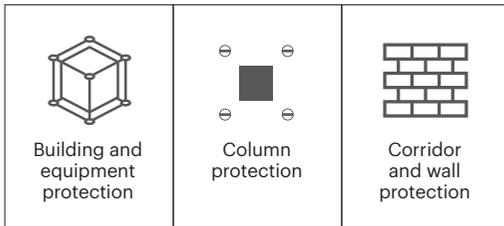
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
0 - 1125mm
(0 - 44 3/4 inches)



Material Properties	MONOPLEX™
Temperature Range	5°C to 40°C
Ignition Temperature	>200°C
Toxicity	Not Hazardous
Static Rating (Surface Resistivity)	10 ¹¹ - 10 ¹⁴ Ω
Hygiene Seals	No

Fire information

A-SAFE Monoplex Bollards are manufactured and offers the highest levels of flexibility and resilience without compromising on fire safety.

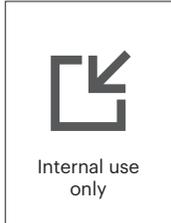
Monoplex has an ignition temperature of 200° Celsius which is significantly higher than materials such as wooden pallets or polymers such as flexible PVC. This means that for combustion of an A-SAFE Monoplex Bollard to occur, a facility fire would need to be both large and well advanced, by which time any personnel would have already been evacuated to safety.

Recycling Information		
Packaging 	Bollard 	Fixings Zinc Plated Steel

Monoplex Bollard 190mm



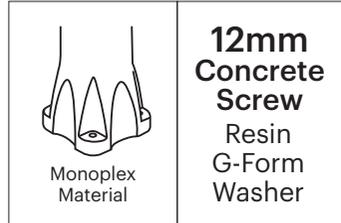
Environment



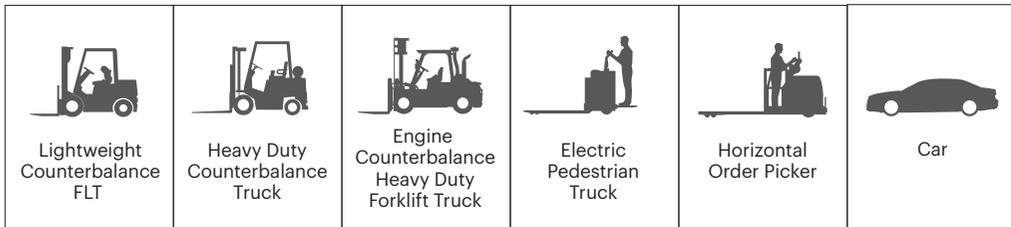
ATEX Suitability



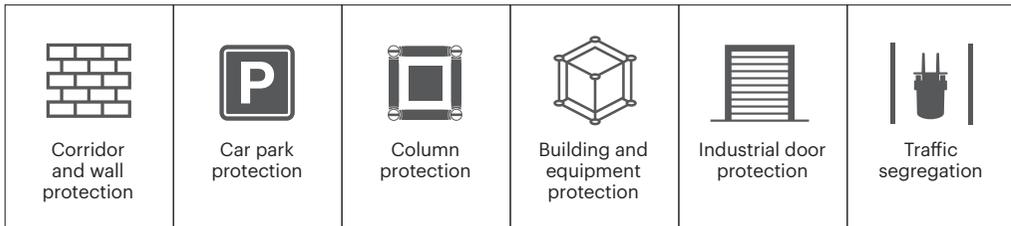
Standard Base and Fixing



Vehicle Suitability



Fit for purpose application



Impact Zone
0 - 1175mm
(0 - 46¼ inches)



Material Properties	MONOPLEX™
Temperature Range	5°C to 40°C
Ignition Temperature	>200°C
Toxicity	Not Hazardous
Static Rating (Surface Resistivity)	10 ¹¹ - 10 ¹⁴ Ω
Hygiene Seals	No

Fire information

A-SAFE Monoplex Bollards are manufactured and offers the highest levels of flexibility and resilience without compromising on fire safety.

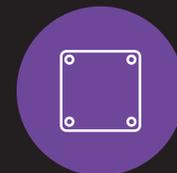
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Recycling Information		
Packaging 	Bollard 	Fixings Zinc Plated Steel

If you have any questions please contact
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Data Sheets



Install
Documents

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Document Reference	PRH-1009-A-SAFE-28042025-3
Document Description	Product Suitability
Date Created	October 2023
Author/s	Matthew Briggs / Alex Dougherty
Checked by	Alex Dougherty / Jerry Budby
Approved by	Ben Allen
Revision	Version 3 - April 2025