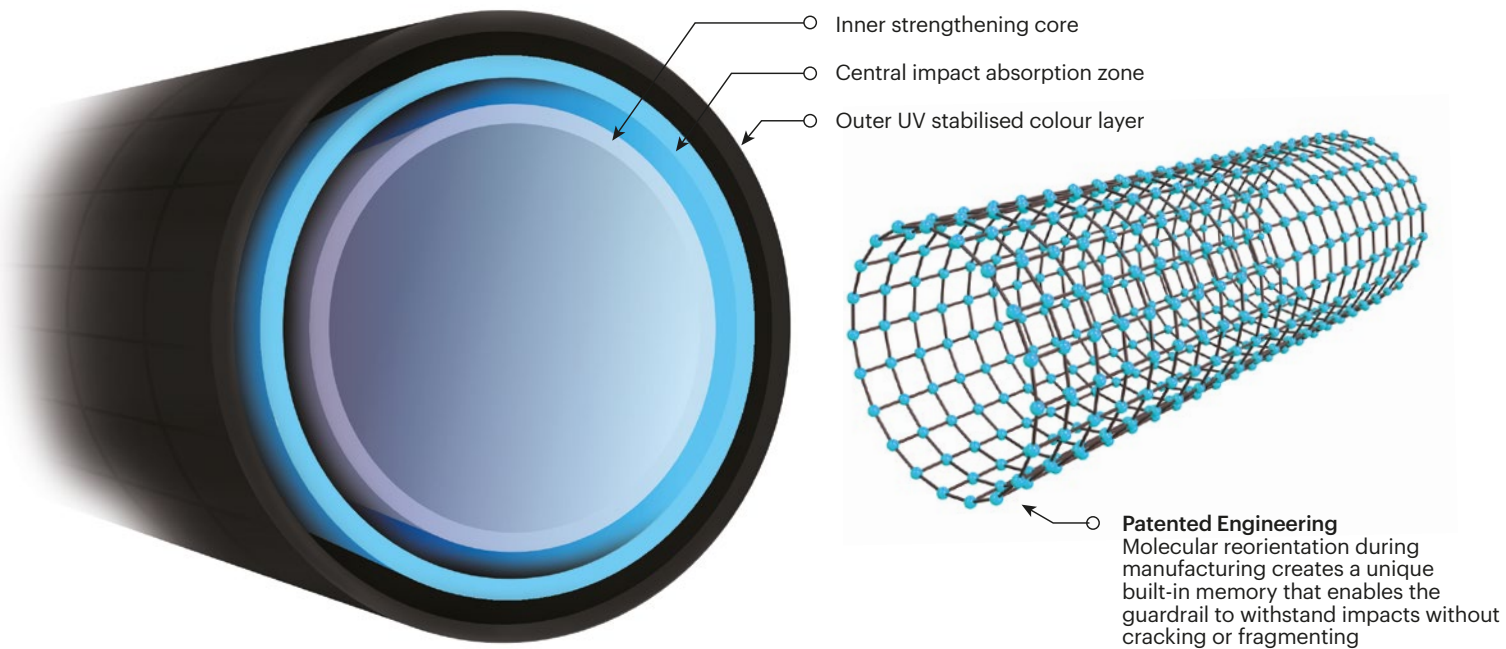


## Engineered for performance

### MEMAPLEX™ SUB-ZERO

Memaplex Sub-Zero has been developed by world-class polymer scientists to deliver maximum performance at sub-zero temperatures as low as -22°F. Created from a unique blend of polymers, Memaplex Sub-Zero is designed to withstand impacts without cracking or fragmenting. It is food-safe, wipe clean and self-coloured for maximum hygiene and ease of care.

Cold Storage guardrails incorporate the patented A-SAFE 3-Phase Coupling System, which works in three sequential stages to cushion impact forces and dissipate energy through the guardrail and away from fixings. This prevents damage and preserves floors, reducing the costs and downtime associated with repairs and maintenance.



## Cold Storage



## Technical Information

Material Properties	MEMAPLEX™ SUB-ZERO
Temperature Range	-22°F to 32°F
Ignition Temperature	698°F to 734°F
Flash Point	662°F to 698°F
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 <sup>15</sup> - 10 <sup>16</sup> 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



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# Cold Storage Product Range

The A-SAFE Cold Storage range has been meticulously engineered to provide the highest levels of protection to pedestrians, assets and infrastructure. From the robust rack protection of RackGuard, to PAS 13 compliant fork protection, bollards, guardrails and height restrictors, the Cold Storage range offers a full suite of high-performance safety products for applications within very low-temperature environments.

Food-safe, robust and effective to -22°F, Cold Storage products from A-SAFE have been purpose-designed for use in frozen food storage facilities and other challenging sub-zero environments. Benefit from the ultimate in low-temperature performance and reduced maintenance costs without compromising on hygiene.



**RackGuard™**  
Cold Storage Rack Leg Protector

15% - 39%

**1,000 Joules\*\*\***

- ✓ Compression Hinge
- ✓ Centralising Rubber Lug
- ✓ Simple Installation

Impact Zone - Various





**iFlex**  
Cold Storage Pedestrian Guardrail 3 Rail

44%  
41%  
30%  
19%  
5%

**11,600 Joules\***

5.1 Ton vehicle at 5mph

- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Hygiene Sealed

Impact Zone 17% - 43%




**iFlex**  
Cold Storage Single Traffic Guardrail+

44%  
41%  
30%  
11%  
7%


**30,200 Joules\*\***

9.2 Ton vehicle at 6mph

- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Hygiene Sealed

Impact Zone 8 - 15%





**iFlex**  
Cold Storage Single Traffic Guardrail

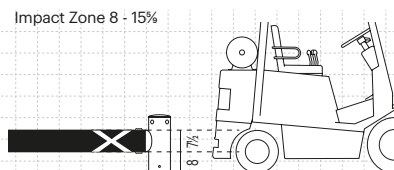
20%  
11%  
7%

**30,200 Joules\*\***

9.2 Ton vehicle at 6mph

- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Hygiene Sealed

Impact Zone 8 - 15%




**eFlex ForkGuard**  
Cold Storage Guardrail

7%

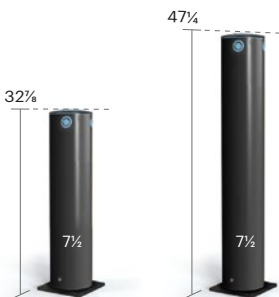
**3,000 Joules\*\*\*\***

2.1 Ton vehicle at 4mph

- ✓ Simple Installation From Above
- ✓ Fork Deflection

Impact Zone 0 - 7%





**iFlex**  
Cold Storage Bollard

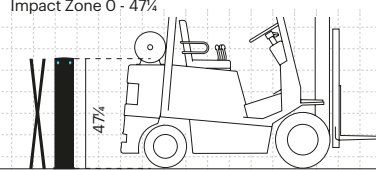

32%  
47%  
7%

**6,900 Joules\*\*\***

4.7 Ton vehicle at 4mph

- ✓ Energy Absorbing Core
- ✓ Electrophoretic Coated Base

Impact Zone 0 - 47%

**iFlex**  
Cold Storage Height Restrictor

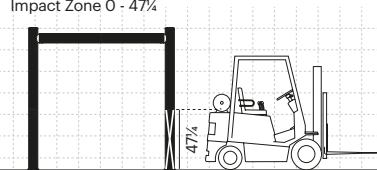
78% - 204%

**5,400 Joules\*\*\***

6.6 Ton vehicle at 3mph

- ✓ Energy Absorbing Core
- ✓ Electrophoretic Coated Base
- ✓ In-line coupling for a complete modular solution

Impact Zone 0 - 47%



\*Ultimate energy load at 45° on a 59" rail. \*\*Ultimate energy load at 45° on a 78 1/2" rail. \*\*\*Ultimate energy load at 90°. \*\*\*\*Ultimate energy load at 90° on a 39 1/2" rail. All measurements in inches.

Joules ratings are provided for your reference only. Our expert technical teams will always recommend the correct specification for your needs. Impact resistance is subject to environmental factors. See individual data sheets for more information. Data is accurate at time of writing.