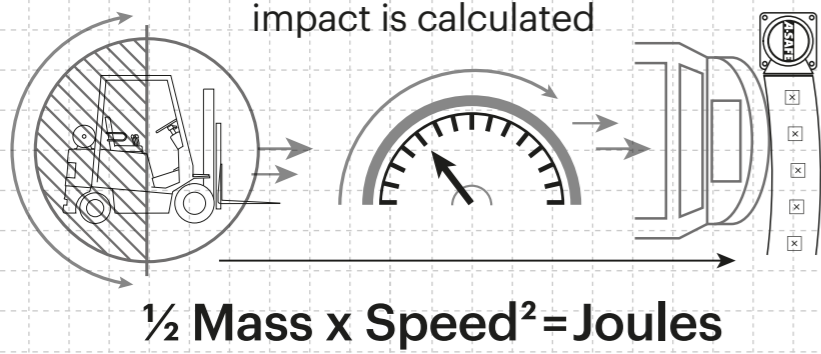


## Technical Information

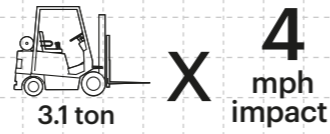
How the energy from a vehicle impact is calculated



Tested Impact Energy

**4,500 Joules**

Equivalent vehicle and speed

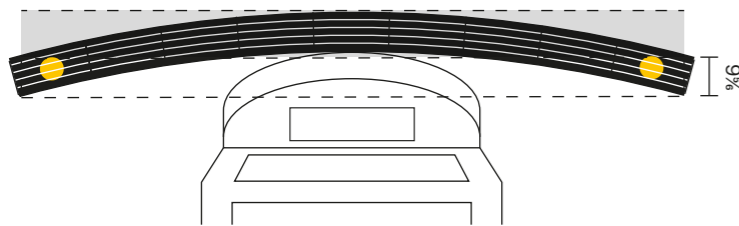


Mid Kerb 90° Impact on Kerb Guardrail

### Impact Test

Max Energy (Joules) at 90° **4,500**

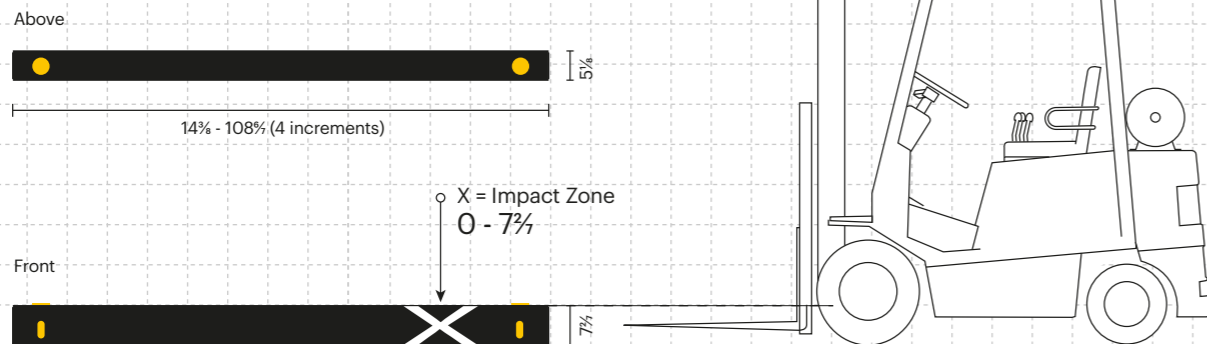
Deflection at Max Energy  
9 3/8 inches



Material Properties	MEMAPLEX™
Temperature Range	14°F to 122°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)	1015 - 1016 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

### Dimensions (inches)



### Color Combinations

Standard Black with Yellow Stripes RAL 9005* PANTONE Black	Standard Black with Grey Stripes RAL 9005* PANTONE Black
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\*Please note that the RAL and PANTONE colors listed are the closest match to standard A-SAFE colors, but may not be exact matches of the actual product color and should be used for guidance only.



**iFlex ForkGuard™**  
Kerb Guardrail

**A-SAFE**



Purpose engineered to provide extreme strength protection from vehicle forks. iFlex ForkGuards defend against damage and injury at ground level, shielding buildings, equipment, walkways and work areas.

Fortified with an exclusive anti-pierce AERO™ core to deliver unprecedented levels of penetration resistance. Reinforced ribbing, multiple internal walls and an interlocking design increases the strength under impact, dissipating energy through the entire system for maximum absorption.

A 60° diagonal fixing method enables a seamless retro-fit to existing guardrail systems.

Tested to the global benchmark in guardrail safety

**bsi. PAS 13**

Code of Practice for Workplace Safety Guardrails



Your Authorized A-SAFE Distributor  
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PO Box 382 • Berlin, NJ 08009

# Precision engineered AERO technology

New and exclusive AERO Technology provides powerful internal reinforcement along the full length of the protective body, delivering unprecedented levels of impact resistance and fork protection.

**Memplex™ advanced strength polymer** created from an exclusive composition of the most sophisticated polyolefins and rubber additives, expertly blended for unequalled strength and a unique built-in memory.

**Ultra-low maintenance material** is chemical and water resistant, non-corrosive, non-scratch and self colored so no repainting, rusting, flaking or corrosion.

**Significant return on investment** from incident prevention and downtime avoidance as kerb guardrail, vehicles and infrastructure do not need replacing or repair.

**Engineered design** optimises the surface for impact recovery. Tapering at the top provides enhanced deflection to create a spring effect. Rounded corners remove stress, preserving parts that are susceptible to snapping.

**Integrated strength** enhanced by interlocking design increases the strength under impact, allowing energy to dissipate through the entire AERO system instead of localising.

**Reinforced resistance** through multiple internal walls increase the amount of material, creating layers of resistance to impact forces and fork penetration.

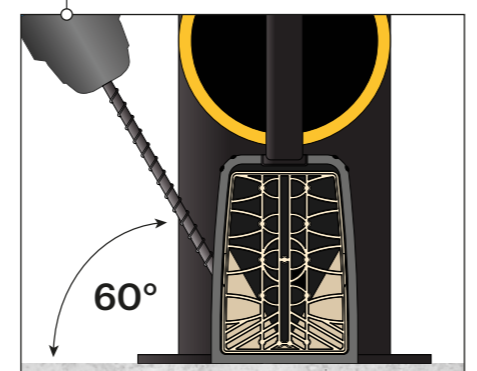
**Fortified flexibility** created by a meticulously defined inner structure acts as a spring, flexing and absorbing energy, and deflecting vehicle forks.

**Anti-piercing protection** ribbing at the base increases kerb guardrail density, providing compressive strength against vehicle forks.

**Environmentally friendly** and 100% recyclable.

**Hygiene sealed** throughout, reduces ingress points and is easy to clean. Protective rubber caps and base seals ensure dirt and debris cannot access ForkGuard.

**Simple assembly** with encapsulating end caps and the A-SAFE logo for clear orientation.



**Retro fit installation**  
60° diagonal fixing method allows a fast and easy retro-fit to any existing guardrail system.



**Corner post protection**  
for increased deflection at areas typically susceptible to collision such as corners and angles, whilst enabling multi-directional kerb configurations.

