

FireAway™ Sandwich: Features

3 in 1: Structure + Fire protection + Heat insulation

Excellent thermal and electrical insulation

80% lighter than steel

100% non-flammable

Zero corrosion

Zero emissions

RF-transparent

Simple and safe handling

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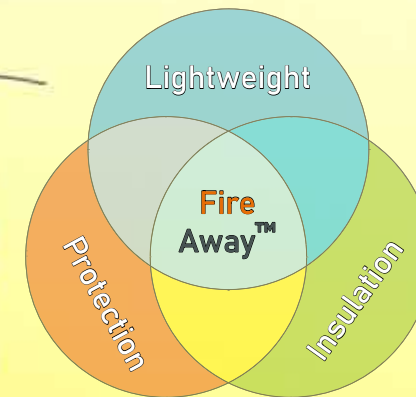
The revolutionary FireAway™ Foldcore®-Sandwich combines extreme protection against fire and heat with outstanding lightweight structural performance. First engineered for aerospace, FireAway™ panels now bring space-age performance to the marine industry.

FireAway™ meets the most stringent marine fire protection standards. Based on mineralic Mica composites it emits no toxic gases or smoke during fire exposure. It is non-flammable according to IMO MSC.307(88)-2010 FTP Part 1 and remains stable beyond 1000°C.

FireAway™ offers better thermal protection and heat resistance than steel or aluminum constructions at much lower weight. Thermal insulation and high structural strength are integral. FireAway™ eliminates the need for additional substructures and boosts your customers' comfort and safety.

FOLDCORE

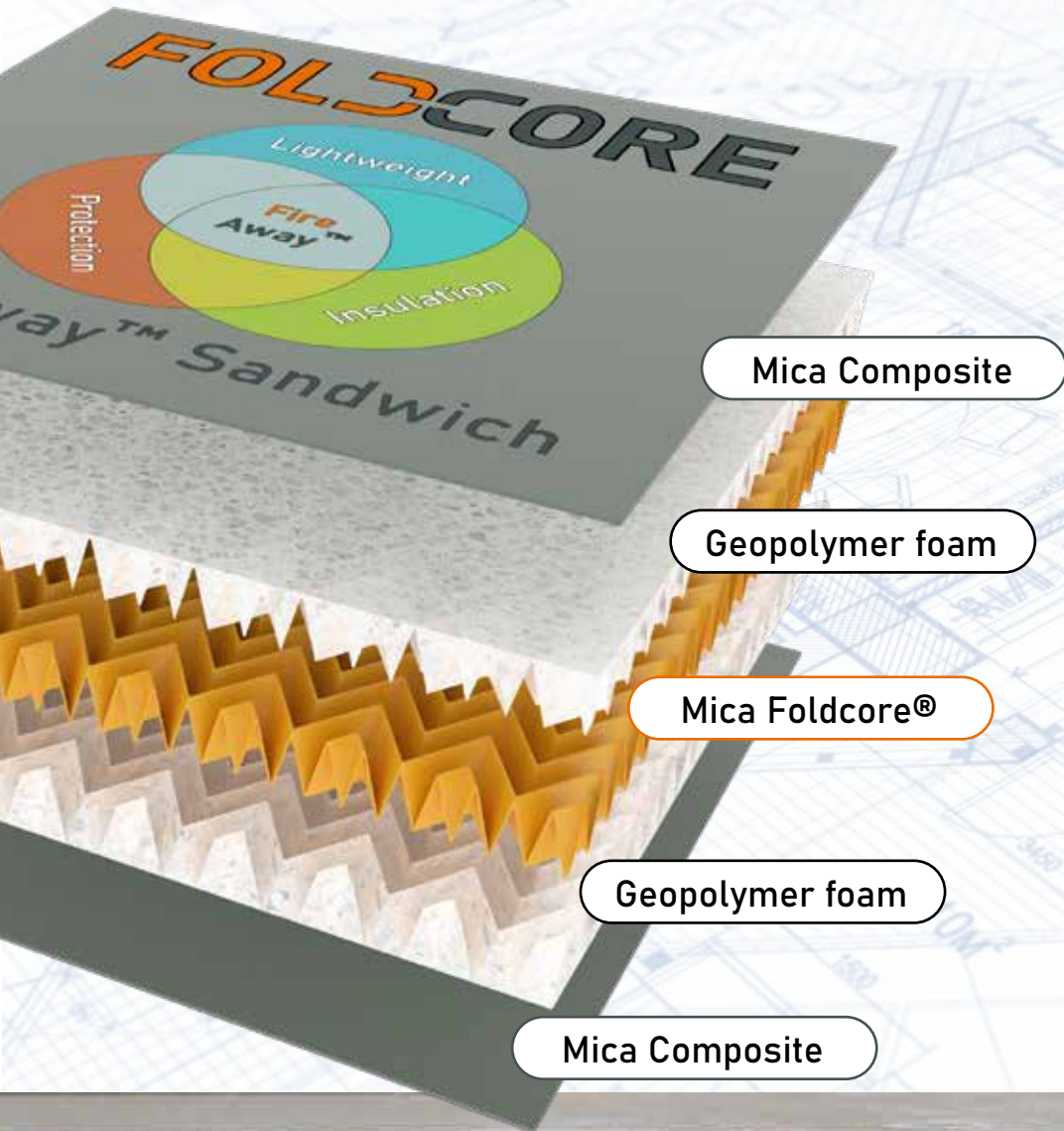
FireAway™ Sandwich



Build Strong
Build Safe
Save Weight



FireAway™ Sandwich: Hybrid High-Tech



FireAway™ Sandwich: Technical Data (ranges)

Thickness	10-25 mm
Face sheet thickness	0.5-1.5 mm
Area weight	5-8 kg/m ²
Density	320-450 kg/m ³
Compressive strength	~1.5 MPa
Thermal conductivity	0.05-0.1 W/(m × K)
Sheet size	2400 x 1000 mm × mm
Heat resistance up to	more than 1000 °C

FireAway™ is completely corrosion-resistant and tested in hot and humid environments. Sheets resist temperatures up to 800°C permanently and retain mechanical strength even in oxidizing environments at more than 1000°C for several hours.

FireAway™ comes in a variety of thicknesses and sheet sizes. Sheets can be cut and machined with hand tools and are compatible with existing installation and framing systems. Edges can be sealed for external use in adverse conditions. Surfaces are suitable for veneer bonding. Customized finishes and laminations available on request.

FireAway™ Sandwich: Applications

- Lightweight Walls & Ceilings
- Fire Doors & Partitions
- Furniture
- Protective Cladding
- Interior & Exterior Outfitting
- Machine & Electrical Housing
- HVAC & Ducting

	Aluminum Sandwich	FireAway™ Sandwich
Lightweight Panel	✓	✓
Heat resistant up to	300°C	more than 1200°C
Thermal Conductivity	more than 1 W/(mK)	0.05-0.1 W/(mK)
Endurance @ 800°C	less than 60sec	Unlimited
Zero Corrosion	✗	✓
Radio Transparency	✗	✓
Integral Insulation	✗	✓
Eliminate Subsystems	✗	✓