

TECHNICAL INFORMATION

ELI-BOND FR964 Structural Adhesive is an ambient temperature curing, non-flowing, two component epoxy adhesive.

Mixing Ratio	: By Weight or volume – 1 to 1
Specific Gravity/ 25°C	: Mixed system 1,95 g/cm ³
Viscosity/ 25°C	: Mixed system – Thixotropic paste (no slump)
Colour (mixed)	: Light grey
Practical Working Time (Pot Life): 25°C	: 15 minutes
Geltime / 25°C	: 90 minutes
Drying time/25°C	: 3-4 hours
Application	: By spatula
Coverage	: 1,95kg per m ²
Heat Resistance	: 80°C continuous exposure
Flammability	: Non- Flammable
Adhesion to steel (shotblasted)	: > 10MPa
Adhesion to glass fibre	: 12 MPa

Typical Cured Properties

Hardness after 24 hrs	: Shore D81
Tensile Strength (DIN53454)	: >46 Mpa (6624 psi)
Lap Shear	: 27 Mpa (3913 psi)
Impact Withstand (DIN53455)	: >5Kj/m ²
Flexural Strength	: > 20 Mpa
Compressive Strength	: 70 Mpa

Water absorption : >1% immersed for 24hrs

Chemical Resistance

Fully impervious (when cured) to oils, diluted acids, inorganic compounds, alkalis, saltwater, petrol, benzene and alcohols.

Typical Applications

Bonding / repairing masonry (stone, brickwork, plaster, gravel) steel-to-steel, metallics, plastics, wood/timber, ceramics, MDF, composites and fibreglass substrates e.g boat lamination / repair, boatbuilding, lighting boxes, ballasts, timber repair etc.

NOTICE

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