

TECHNICAL INFORMATION

Product

ELI-BOND FR166A Epoxy Adhesive is an ambient temperature curing, non-flowing, two component epoxy adhesive.

Mixing Ratio	:By Weight - 100 parts resin to 100 parts hardener
Specific Gravity/ 25°C	: Mixed system 1,05 g/cm ³
Viscosity/ 25°C	: Mixed system – Semi thixotropic paste (33000 m Pa.s)
Practical Working Time (Pot Life)	: 25°C : 20 – 30 minutes
Geltime / 25°C	: 50 – 60 minutes
Drying time/25°C	: 2 hours
Application	: By trowel or spatula
Coverage	: 1,05kg per m ²
Heat Resistance	: 70°C continuous exposure
Flammability	: Non- Flammable
Adhesion to steel (shotblasted)	: > 10MPa
Adhesion to ceramics	: 12 MPa

Typical Cured Properties

Hardness after 24 hrs	: Shore D80
Tensile Strength (DIN53454)	: 17 Mpa
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, benzine and alcohols.

Typical Applications

Bonding ceramic wear tiles to horizontal and vertical surfaces

Bonding ceramic to ceramic

Bonding ceramic to steel

Bonding ceramic to metallics

Bonding ceramic to concrete

Bonding ceramic to aluminium

Bonding Rubber to Steel

Bonding Rubber to Concrete / Cementitious grouts

Bonding Plastics to plastics

NOTICE

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