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/cm³

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 m²

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/m²

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**

The technical specification and/or our technical advice whether verbal, in writing or by trials is given in good faith and based on our test results obtained, but without warranty. It does not release the user from the obligation of testing the products supplied by us or any third party as to the suitability of the intended application. The application, use and processing of the products are beyond our control and Elite Chemical Industries (Pty) Ltd legal obligation in respect of any sale of it’s products shall be determined by the terms of it’s conditions of sale. PATENT APPLICATION NO. 86/4152.

www.elichem.co.uk