

EpoBond 8000

Epoxy bonding agent for concrete

Product Description

EpoBond 8000 is a solvent free, high performance, long potlife, versatile epoxy bonding agent. EpoBond 8000 can be applied to both dry and damp surfaces and adheres to most substrates after proper preparation.

Areas of Application

- Structural bonding of new to old concrete.
- Steel bonding.
- Grouting dowels.



Advantages

- High bond strength.
- Adheres to wet or damp surfaces – Wide application area.
- Solvent free – Low VOC and non-shrink.
- Pre-proportioned packaging – No job site errors.
- Multi-purpose binder – Many uses.
- Low viscosity – Easy to apply as primer.
- High abrasion and chemical resistance – Can be used as wearing surface.

Technical Data

Properties	
Compressive Strength @ 23°C	65 MPa @ 7 days
Tensile strength @ 23°C	25 MPa @ 7 days
Mixed viscosity @ 25°C	2450 ± 450 cps
Slant shear bond strength (BS 6319 part 4)	>11 MPa (Concrete failure)
Bond strength (ASTM D4541)	>2.5 MPa (concrete failure)
Meets the requirements of ASTM C881 Type 2 Grade 2 Class B & C	

Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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Method of use

Substrate Preparation

- The substrate should be sound, clean and free from contamination. Surface Laitance should be removed by acid etching or light grit blasting.
- Oil, grease, and fat deposit should be removed by using either appropriate degreaser or steam cleaning. Weak or deteriorated concrete should be removed by scabbling, chipping or grit blasting.

Chemical Resistance

EpoBond 8000 resists most common organic and inorganic acids in diluted form, also resistant to alkalis, water, oils, grease, etc. Chemical resistance depends on the chemicals involved, their concentration, temperature and degree of exposure. Good housekeeping practices such as immediate clean-up of all spillages will greatly extend the service life.

Coverage

2.5-3.5m²/ Kg

Mixing

The base and the hardener should be mixed separately before mixing together to disperse any settlement. Carefully transfer the entire content of the hardener container into the base component container and thoroughly mix using slow speed drill with appropriate mixing paddle for 2 minutes until uniformity is obtained. Do not attempt to mix partially nor add any thinning materials.

Application

EpoBond 8000 should be applied immediately after mixing using a short haired paint brush. The material should be painted evenly across the whole surface. Care should be taken to apply the new concrete, screed or mortar within the overlay time specified in Technical Properties. Failure to do so will have an adverse result and the material will form a deboning plane rather than a bonding coat.

Minimum application temperature is 5°C while temperature exceeding 35°C will decrease pot life and setting time.

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Cleaning

All tools should be should be cleaned immediately after finishing by solvent. Hardened materials should be cleaned mechanically.

Packing

EpoBond 8000 is available in 1 and 5 Kg packs.

Storage

EpoBond 8000 has a shelf life of 24 months from date of manufacture if stored at temperatures between 5 °C and 40 °C.

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