

Hybond Two Pot Epoxy Mortar

Technical Guide D10.2

An easily worked, two part silica filled adhesive and joining system suitable as a patching and forming compound for all concrete products.



Applications

Joining precast concrete components.

General construction repair.

Grouting starter bars into existing concrete.

Sealing joints between concrete and plastic pipes.

Suitable for use with Potable Water

Product Attributes

Developed specifically for construction and plumbing applications.

Will cure under most conditions to an extremely hard and durable surface.

Negligible shrinkage.

Thixotropic, exhibits no slumping during curing.

Similar consistency and colour to concrete.

Can be used as a bedding compound for reinforcing rods and starter bolts into existing concrete.

Quality

ISO 9001:2008 Quality Management Standard.

Approved to AS/NZS 4020:2005.

for Potable Water

The go to organisation for civil and rural water product solutions

HYNDS
PIPE SYSTEMS

An easily worked, two part silica filled adhesive and joining system suitable as a patching and forming compound for all concrete products.

Handling

- These products should not contact the skin, and prolonged breathing of the vapours should be avoided.
- Epoxy resins and their curing agents will cause skin sensitization if in continuous contact.
- Use disposable nitrile gloves and protective clothing to avoid skin contamination.
- Use approved eye protection safety glasses to avoid splashes.
- Epoxy cleaning solvent should never be used to wash hands.
- Do not smoke while working with epoxies (Epoxy on cigarettes can be ingested as dangerous decomposition material).
- Do not breathe the toxic fumes when burning.
- Fight fire with approved extinguishers of the BCF, CO₂ and dry chemical powder or blanket foam types.

Warning: Isocyanate free but contains epoxide resin and amine hardener. Prolonged exposure to epoxy resins can lead to dermatitis.

Application

- Measure out equal parts of the epoxy resin and hardener and knead together using disposable gloves until material is a uniform grey colour. Do not add water.
- Remove all laitance and degrease or wire brush the work surface.
- Dampen and rub a smear of the mixture into the surface.
- Apply balance and shape accordingly.
- Trowel onto area or cavity to be filled to the desired thickness.
- Avoid air entrapment (voids).
- Wet surface only and smooth off.
- Working time is approximately 30 minutes.
- Use soap and water for clean-up of uncured or partially cured resin and utensils.

Note: Addition of water will lower all physical and adhesive strength.

Curing Time

- 24 hours 20°C.
- Total cure is effective over 3-4 days.
- Can be accelerated by post curing at 60°C for 2-3 hours.
- Compressive strength (24 hours) 35-40 MPa
- Compressive strength (7 days) 60-70 MPa
- Hardness (Shore D) 85-90

Note: Cures in cold temperatures and under water. Do not use in temperatures below 4°C.

First Aid

- Contact with skin: Wash uncured resin off skin immediately with industrial soap and water.
- Contact with eyes: Flush liberally with water for at least 15 minutes. Seek medical attention.
- Inhalation: Move the victim to a fresh air source. If breathing has stopped, use resuscitation techniques. Seek medical advice if symptoms persist
- Ingestion: Do not induce vomiting. Wash mouth with water. Seek medical attention.

Product code	Description
HYBOND.01	Epoxy Hybond 1 Litre
HYBOND.02	Epoxy Hybond 2 Litre
HYBOND.08	Epoxy Hybond 8 Litre
HYBOND.20	Epoxy Hybond 20 Litre

Also refer to D10.15 EASYCHEM Epoxy Mortar

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Disclaimer: While every effort has been made to ensure that the information in this document is correct and accurate, users of Hynds product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hynds unless expressly stated in any sale and purchase agreement entered into between Hynds and the user.