

EPOBOND

Epoxy Resin Based Adhesive

Description

EPOBOND is a two pack system ideal for structural bonding of fresh concrete or mortar where it will also improve resistance to damp penetration. Its extended open time makes it especially suitable for bonding cementitious floor topping.

Typical applications of EPOBOND include

- Bonding new concrete to old
- Bonding cementitious repair mortars to reinforced concrete
- Bonding cementitious floor screeds
- Bonding cementitious renders to steel frame structures

For bonding of epoxy screeds and other non-cementitious materials use **EPOTAC**

Appearance

Mixed material forms an emulsion with an off-white milky colour which disappears after application to leave a clear transparent film.

Use

Surface Preparation

Surfaces should be sound, clean, free from laitance, dust, oils or other deposits. The prepared surface should be free from surface water but residual dampness can be tolerated.

Mixing

Entire contents of Base and Hardener containers should be thoroughly mixed in clean plastic bucket or similar to obtain a completely uniform blend, then using empty Base container as a measure, mix in one full measure of clean water. For heavy duty bonding omit the addition of water.

Application

Immediately after mixing brush the adhesive on to the prepared surface, brushing in two directions at right angles to each other, and apply fresh concrete or mortar topping whilst adhesive is still tacky. Tackiness may still be evident after 8 hours dependent upon ambient temperature but as a general guide topping should be applied within 4 hours. On extremely porous surfaces or where first coat is no longer tacky, apply an additional coat. Do not apply in temperatures below 5°C.

Coverage

A 3.3 Kg pack will cover up to 20 m² when diluted and up to 15 m² when used neat, dependent upon surface texture and porosity.

Pot Life

This is influenced by temperature, volume of mixed material and quantity of added water. In practice under normal conditions a pot life of approximately 60 minutes can be expected.

Cure Time

Full cure is achieved after approximately 7 days at 20°C. Lower temperatures will prolong cure time.

Bonding Materials

Cleaning of Equipment

Brushes and equipment should be washed thoroughly in clean water immediately after use and before material begins to set, followed by a rinse in **RESOKLENS**.

Storage

Keep all containers sealed, store at room temperature and away from direct heat. Under normal temperate and dry conditions storage life is in excess of one year.

Health & Safety

EPOBOND should be handled carefully and skin contact, exposure to high vapour concentrations and ingestion avoided. Wearing of overalls, gloves and protective eyewear should be considered together with the application of a suitable barrier cream to hands where necessary.

Reference should be made to the separate **EPOBOND** Health and Safety literature.