

Flexco Epoxy Tie Coat 32

TWO PART EPOXY CONCRETE BONDING AGENT

Epoxy Tie Coat 32 has been formulated for bonding new concrete to old, as a grouting epoxy for bolts and starter rods, as a primer for epoxy mortars, and as a general purpose high strength epoxy adhesive. It has excellent resistance to physical and chemical attack.

Advantages

- Low viscosity allows easy application
- Pourable
- Non shrink
- Fast curing
- Tolerant to moisture before, during, and after cure.
- Good chemical resistance for long-term protection.
- Excellent adhesion to concrete, metal and most porous surfaces
- High tensile and flexural strengths

Typical Uses

- Structural bonding to porous substrates
- Bonding of new concrete screeds
- Bonding of plaster toppings and tile bedding mortars to existing substrates
- General purpose bonding

Laboratory Test Data

Application Properties

Colour Medium Grey

Theoretical Coverage 2m² /L at 0.5mm thickness
Actual coverage will depend on wastage and surface profile.

Packaging 1.2kg, 5kg, 30kg units
Each unit (part A and Part B) is in separate containers in the correct ratios

Shelf Life 24 months from date of manufacture when stored in original, factory sealed containers between 15 and 32°C under shade in a dry environment.

Physical Properties

Pot Life Approx 60mins @20°C

Compressive strength 24hrs 60 MPa approx
7 days 60-70 MPa

Flexural strength 30 MPa approx

Tensile strength 18 MPa approx

Cure Time Initial 24hrs
Full cure 3-7 days

Flexco (NZ) Ltd

67 Dalgety Drive, Manukau City, P: 0064 9 2686970, F: 0064 9 2686971, E: info@flexco-nz.co.nz
P O Box 98866 South Auckland Mail Centre, Manukau City, New Zealand



FLEXCO (N.Z.) LTD
SOLVING TOMORROWS BUILDING PROBLEMS - TODAY

Flexco Epoxy Tie Coat 32

TWO PART EPOXY CONCRETE BONDING AGENT

Installation Guidelines

Concrete

The substrate must be structurally sound. Loose or unsound concrete should be removed and made good. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The surface should be free from standing water. Steel surfaces must have all contaminants and paint removed by grit blasting. Apply grout immediately.

Mixing

For best results, condition the components prior to mixing from 18°C to 29°C. Premix Component B to a homogenous consistency. Place the correct proportion of Component A and Component B into a clean container with flat wall and bottom. **Always use whole units.** Mix thoroughly for a minimum of three minutes using a low speed drill (600 rpm) and a mixing paddle. Keep the paddle below the surface material to avoid entrapment of air. Proper mixing may take 3 to 5 minutes. Thorough mixing of both components is important to obtain optimum results. Carefully scrape the sides and bottom to ensure thorough mixing. Mix until a uniform light grey colour is achieved. Mix only the amount of material that can be used before the pot life expires.

Application

Apply a thin and uniform layer to the prepared surface using a brush roller or notched trowel. Ensure that the product is worked well into the substrate. The fresh or new concrete should be laid or placed while the Flexco Epoxy Tie Coat 32 is still tacky. Reapply within 24hrs if tack is no longer evident.

Once the product has become difficult to apply, discard. Support for starter bars, and bolts to prevent movement.

Clean Up

Clean uncured material from equipment using Solvent. Cured material can only be removed by mechanical means.

Limitations

Will change colour when exposed to direct sunlight. Do not finish using solvent.

Do not apply below 4°C or above 35°C.

Avoid skin contact. Do not discard into the water system.

Health & Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product.

Warranties

Flexco supplies products that comply with the properties shown on the current datasheet. In the unlikely event that products supplied are proved not to comply with the properties, then we will replace the non-compliant product or refund the purchase price. Flexco does not warrant or guarantee the installation of the products, as it does not have control of the installation or end use of the product. Any suspected defects must be reported to Flexco in writing within five working days of being detected. Flexco makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied. Flexco shall not be liable for damages of any sort, including remote or consequential damages, down time, or delay.

Flexco (NZ) Ltd

67 Dalgety Drive, Manukau City, P: 0064 9 2686970, F: 0064 9 2686971, E: info@flexco-nz.co.nz
P O Box 98866 South Auckland Mail Centre, Manukau City, New Zealand



FLEXCO (N.Z.) LTD

SOLVING TOMORROWS BUILDING PROBLEMS - TODAY