



Description

UltraBond e132 is two part 100% epoxy tie coat for bonding wet concrete and mortars to existing hardened concrete and structural substrates.

Typical Uses:

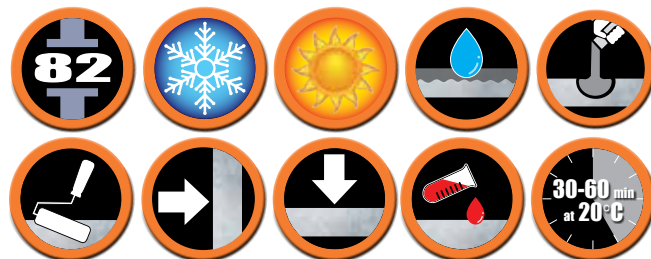
- Adheres to concrete, steel, brick, block, fibre cement sheet, existing epoxy coatings.
- Structural bonding to porous substrates
- Bonding of new concrete screeds to existing floors
- Bonding of plaster toppings and tile bedding mortars to existing substrates

Features & Benefits:

- High tensile strength & flexural strength
- Excellent adhesion to concrete, metal and most porous surfaces
- Non shrink
- Vibration resistant
- Moisture tolerant



+4° min +35° max





Surface Preparation

Concrete must have a minimum of 7 days cure. Surface must be clean, sound, dry and free from any loose coatings/particles or surface contaminants such as grease, oil, chemicals, paint rust or curing membranes unless otherwise stated in the data sheets.

We suggest captive shot blast, diamond grind or scabble to expose clean sound surface.

Steel must be blast cleaned and thoroughly prepared to acceptable standards.

Mixing

For best results, ensure the components are between +5°C and + 29°C prior to mixing.

Premix both components separately to a homogeneous consistency. Place the correct proportion of Component A and Component B into a clean container with flat wall and bottom.

It is recommended where possible to always use whole units. If part units are required then accurately measure by weight.

Mix thoroughly for a minimum of 3 minutes using a low speed drill (450-600 rpm) and a mixing paddle. Keep the paddle below the surface material to avoid entrapment of air. After 3 minutes, carefully scrape the sides and bottom to ensure thorough mixing, then continue to mix for a further 2 minutes until a uniform light grey colour is achieved.

Thorough mixing of both components is important to obtain optimum results.

Mix only the amount of material that can be used within the pot life.

Application

Apply using brush or roller to uniform thin layer on the "host" substrate, ensuring the product is worked well into the existing surface. Larger volumes can be spread using a squeegee and then laid off with a roller. Remove any standing water and make sure UltraBond e132 is worked well into damp surfaces.

UltraBond e132 should be applied just prior to the addition of fresh concrete or mortar topping i.e. UltraBond e132 should be 'tacky' and still within its open time. Bond strength will not be achieved if the surface is no longer 'tacky' and a recoat will be required within 24 hours.

Limitations

Will change colour with long term exposure to sunlight. Do not finish using solvent. Will not accommodate movement cracks. Do not apply below 4°C or above 35°C. Avoid skin contact.

Theoretical Coverage

1L covers 1m² at 1.0mm thickness.

Actual coverage will depend on wastage and surface profile.

Clean Up

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

Colour

Medium Grey

Storage /Shelf Life

Keep in tightly sealed original containers in a cool place. Do not store near boilers or other sources of heat. Do not store in direct sunlight. Tightly sealed containers will store for approx 12 months. Use older material first.

Health & Safety

Wear protective nitrile gloves.

Wear eye/face protection.

Do not breathe vapours.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Avoid release to the environment.

Collect spillage. Do not discard into the water system.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. If eye irritation persists: Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.

IF exposed or concerned: Get medical attention.

Packaging

UltraBond e132 1.2kg (750ml)	EPUBE132-1.2KG
UltraBond e132 5kg (3.1L)	EPUBE132-5KG
UltraBond e132 30kg (18L)	EPUBE132-30KG

General Properties

Shelf Life	1 year
Appearance of Hardener	Dark grey/green colour paste
Appearance of Resin	Cream coloured paste
Mixing proportions by weight	1 Hardener to 2 Resin
Solids content	100%
Tensile strength	15 MPa
Compressive strength	82 MPa*
Flexural strength	30 MPa**
Application Temperature	+4°C to +35°C
Work Time	30-60 @20°C
Cure Time	7 days
Density	1.5kg/L

*Tested to NZS 3112 Part 2:1986; section 4, 6 (ASTM C39/C39M-09)

**Tested to NZS 3112 Part 2:1986; section 7 (ASTM C39/C78-09)