

ALEXBOND EP

Epoxy Resin Structural Concrete Bonding Agent



Description

ALEXBOND EP is two component based on solvent-free epoxy resins containing pigments and fine fillers. It is supplied as a two part material in pre-weighed quantities ready for on-site mixing and use for a permanent bond between old and new concrete more than concrete cohesive.

Uses

- As epoxy bonding agent for concrete, mortar, brick, steel....etc.
- For bonding new concrete surface to existing concrete surfaces, for use on horizontal surfaces and on vertical surfaces where mortar or concrete can be supported by formwork.
- Ideal for extensions and repairs to concrete in factories, loading bays, trucking aisles, bridges, roads, bonded or granolithic floor toppings, etc.

Advantages

- High chemical resistance.
- Special slow set hardener available.
- High mechanical strength.
- Can be applied to dry surfaces.
- Good positive adhesion.
- Impermeable so used as a waterproof when Cured.

Surface preparation

All surfaces to be treated must be firm, dust-free and clean, free from oil, grease or others contaminated which may affect the bond.

All laitance should be removed mechanically by sand blast or mechanical tools where surfaces are contaminated with oil or grease or other chemicals.

Properties

Pot life:		
standard	40 mins	at 20°C
	20 mins	at 35°C
Initial hardness:		
standard	24 hrs.	at 20°C
	18 hrs	at 35°C
Full cure:		
standard	7 days	at 20°C
	4 days	at 35°C

Specific Gravity	1.55
Tensile Strength	30N/mm ²
Bond Strength	42N/mm ²
Compressive Strength	80N/mm ²

Standard:

ASTM C881, C882, C814, D732,
D790&C579

Guide to Application**Application:****Mixing:**

- Add the component (B) curing agent to the component (A) resin into a clean dry container then mix till achieve a uniform consistency.
- Apply direct the mixed material to the substrate by using brush, roller or spray.
- Pour the new concrete while the surface is still tacky.

Guarantee:

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

Technical Service:

For any technical advice for using the **ALEXCHEM** contact the technical office.

Storage:

Store out of direct sunlight, clear of the ground on pallets protected from rain fall. protect from extremes of temperatures.

Packing:

Is supplied in 5.0 kg in two packs

Coverage:

According to porosity of substrate (approximately 5 m²/kg)

Shelf life:

Up to 12 months if stored in unopened containers according to the manufactured instructions

Safety precautions:

Avoid contact with eyes, mouth, and skin. Treat splashes to eyes