

Epoxy resin base adhesive for fresh concrete

PRODUCT

webertec epo bond is a two-component bonding system based on solvent-free epoxy resins. It is supplied in pre-weighed off-white base and green hardener ready to be mixed and used on site.

SCOPE OF USE

- Bonding fresh concrete or mortar to hardened concrete in vertical formed and horizontal applications
- Bonding hardened precast concrete to hardened horizontal concrete
- Load-bearing applications
- Buildings, roads, bridges, factories and others
- Dry or damp surface
- Internal or external use
- Compatible with concrete reinforcing steel substrates

PROPERTIES

- Applicable by roll or brush
- Performs in vertical and horizontal applications
- Long overlay time
- High bonding performance
- Adapted to damp and dry substrates

CHARACTERISTICS

Pot life	@ 25°C	3 hrs
Full cure	@ 25°C	7 days
Overlay time	@ 25°C	Min: 3 hrs (still tacky but not wet) Max: 10 hrs
Compressive strength @ 7 days ASTM C 579 @ 25°C		50 MPa
Bond strength (ASTM C 882)	@ 2 days	> 7 MPa
	@ 14 days	> 10 MPa
Water absorption	@ 24h	< 0.1%
Fresh density	1.4 ± 0.05 kg/l	
ASTM C881/881M-10 Compliant		Type II

**tests were completed on a 28d old substrate*

APPLICABLE STANDARDS

ASTM C881/881M – 10

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The surface must be structurally sound, free of grease, oils, coatings, dust, curing compounds and other contaminants. Surface laitance and standing water must be removed. **webertec epo bond** can be installed on damp or dry surfaces. Oil contaminated surfaces should be degreased. Remove



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
4.65 kg	4.65 kg	4.65 kg	4.65 kg	4.65 kg	4.65 kg	4.65 kg	4.65 kg

defective concrete down to sound material. Route cracks and blow dust and debris from them with oil-free, compressed air. Best performance and displayed characteristics in this data sheet are obtained on a fully hardened substrate. Before applying on a substrate that is less than 28 days old, evaluate moisture content or outgassing of the concrete by determining if moisture will collect at bond lines between old concrete and epoxy adhesive before epoxy has cured. This may be accomplished by taping a 4 x 4 ft (1 x 1 m) polyethylene sheet to concrete surface. If moisture collects on underside of polyethylene sheet before epoxy would cure, then allow concrete to dry sufficiently to prevent the possibility of a moisture barrier between old concrete and new epoxy.

PRODUCT PREPARATION

Premix Part A and B separately with a slow speed mixer. Pour the full quantity of Part B into part A can and mechanically mix slowly for 3 to 5 minutes until a uniform color is obtained. Scrape the sides and bottom of mixing container while mixing.

PRODUCT APPLICATION

Apply a thin layer of **webertec epo bond** to the prepared substrate by brush or roller. Ensure the product is well spread into the substrate. Ensure all areas are treated and a glossy surface is attained. The coated substrate should be left for a minimum of two hours before the new concrete, screed or mortar is placed @ 25°C

CLEANING

Prior to curing, **webertec epo bond** may be removed from tools and equipment using solvents.

COVERAGE

3 – 3.5m²/Kg & 4.25 – 5 m² /L

For hardened concrete on hardened concrete, a second layer might be necessary if the 2 surfaces are rough.

STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

Avoid prolonged contact with skin. Wear protective gear for hands & eyes. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting; in both cases seek medical attention. The product is non-flammable.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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