

weberanc epoxy 2K

weberanc epoxy 2K is a solvent free two-components epoxy paste which is specially formulated from high grade epoxy resin. It has non-sagging property with high stability for easy and versatile applications

Advantages

- High strength adhesive
- Suitable for both bonding and repairing concrete
- Non-sag in vertical and overhead applications
- Non-shrinkage
- Good abrasion resistance
- Impermeable to liquids and water vapor
- Chemical resistance
- High initial and ultimate mechanical strength

**Consumption**

The consumption of weberanc epoxy 2K is ~ 1.9 kg./m² per 1 mm. of thickness.

Package

1 kg (12 Set/box)
2 kg (6 Set/box)

Color

: Component A: light-grey
: Component B: dark grey/black cream
: Components A+B mixed: concrete grey

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Application

As a structural adhesive and mortar for:

- Concrete elements
- Hard natural stone
- Ceramics, fiber cement
- Steel, iron, aluminum
- Wood
- Glass
- Polyester, Epoxy
- Mortar, Bricks, Masonry

As a repair mortar and adhesive:

- Joint and crack arris/edge repair
- Holes and void filling
- Repair general crack on concrete floor

Substrate preparation

- Mortar and concrete must be older than 28 days (depends on minimal requirement of strengths).
- Verify the substrate strength (concrete, masonry, natural stone).
- The substrate surface (all types) must be clean, dry or mat damp (no standing water) and free from contaminants such as dirt, oil, grease, existing surface treatments and coatings etc.
- Steel substrates must be cleaned and prepared thoroughly to an acceptable quality i.e. by blast cleaning and vacuum. Avoid dew point conditions.

Mixing

- Pre-batched units: Mix components A+B together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 500 rpm) until the material becomes smooth in consistency and a uniform grey color.
- Avoid air entraining while mixing. Then, pour the whole mix into a clean container and stir again for approximately 1 minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used with in its pot life.



weberanc epoxy 2K**Application**

- When using a thin layer adhesive, apply the mixed adhesive to the prepared surface with a spatula, trowel, notched trowel.
- When applying as a repair mortar use some formwork.
- When using for bonding metal profiles onto vertical surfaces, support and press uniformly using props for at least 12 hours, depending on the thickness applied (not more than 5 mm.) and the room temperature.
- Rebar anchoring, Drill holes 1-3 mm. wider than the diameter of the rebar.

Storage & Shelf Life

24 months from date of production if kept in undamaged and unopened original sealed containers and store at protected area from direct sunshine in dry and cool condition at temperatures between 10°C-30°C

Cleaning

Clean all tools and application equipment immediately with cleaner. Hardened/cured material can only be mechanically removed.

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Technical Specification

| TYPE | weberanc epoxy 2k |
|----------------------|--|
| Density | Part A 1.7 kg/liter Part B 1.87 kg/liter |
| Mixing ratio | A:B = 2:1 by weight |
| Pot life | 45 minutes at 30°C |
| Initial hardness | 3-4 hours (Shore D hardness = 70 at 6 hours) |
| Shrinkage | Non-shrink |
| Sagging | Non-sag |
| Compressive strength | 63-65 N/mm ² at 1 days 87-89 N/mm ² at 7 days 93-98 N/mm ² at 14 days |
| Slant shear test | 20 N/mm ² at 1 day (failure in concrete) 21 N/mm ² at 7 day (failure in concrete) |
| Bond to concrete | dry condition: > 1.5 MPa (failure in concrete) wet condition: >2.3 MPa (failure in concrete) |
| Tensile strength | 19 N/mm ² at 7 days |

