

Three-component epoxy tile adhesive

PRODUCT

webercol epo is a 100% reactive, 3-component epoxy tile adhesive system designed for numerous application needs. It is a moisture insensitive fast curing system specially blended to produce a workable mortar. It provides excellent chemical resistance and outstanding adhesion on steel, concrete and tiles.

SCOPE OF USE

webercol epo is especially designed for fixing tile on floor where heavy and fast load, and chemical resistance is required. **webercol epo** can be used for a thickness above 8mm as tile adhesive in medium and heavy duty, hygienic and corrosive environment.

It can be used in the following industries:

- Food Production – including meat, and fish processing, fruit canning, dairy products, etc.
- Chemical productions and processing
- Brewing and Distilling
- Soft drink production and bottling
- Workshop and garage.

ADVANTAGES

- 100% solids
- Moisture insensitive for bond to dry or damp surfaces
- Resistant to chemical attack, including most acids and caustics
- Hygienic in service, will not support bacterial growth
- High mechanical and bonding qualities to all round substrate

CHARACTERISTICS

Appearance	3-component
Part A	Resin
Part B	Hardener
Part C	Mineral charge
Colors	Grey (after mixing)
Mix density	1.89 +/- 0.05
Flash point	> 150°C
Pot life	Approx 1 hour at 30°C
Compressive strength	67.5 MPa at 7 days (ASTM C 579)
Adhesion on concrete	> 2.5 MPa (BS 1881)
Tensile strength	9.8 MPa (ASTM C307)
Flexural strength	29.1 MPa (ASTM C580)
Consumption	15 kg/m ² depending on thickness
Service temperature	-20 to + 80 °C



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
175 kg	175 kg	175 kg	175 kg	175 kg	175 kg	175 kg	175 kg

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

New concrete must be a minimum of 28 days old and possess an open, porous and textured surface with all curing compounds and sealers removed. Old concrete must be clean and well textured. All oil, dirt, debris, paint and unsound concrete must be removed.

PRODUCT PREPARATION

Part B (hardener) is to be added to part A (resin), not the reverse. Mix parts A and B for 1 minutes using a suitable electrical agitator (Heavy Duty) at low speed to ensure the proper chemical reaction.

Gradually add the filler (part C) to the premix of parts A and B and continue mixing for a further 2 minutes until all the aggregates are completely wetted by the epoxy.

PRODUCT APPLICATION

For Flooring only: The mixed adhesive should spread over the surface using a serrated trowel. Tiles should be placed within the open time of the adhesive.

Remove surplus material from the face of the tiles immediately.

CLEANING

Clean tools and equipment with solvents such as Xylene, Xylol or toluene. Do not allow the epoxy to harden on equipment

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

Ensure adequate ventilation during application and avoid inhalation of vapors. Wear suitable gloves, clothing and eye protection.

Direct contact with eyes will cause irritation and may cause serious damage if not treated. In case of contact with eyes, wash thoroughly with clear water and seek medical attention.

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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