



AEROBOND EP

Epoxy resin concrete bonding agent

Description

AEROBOND EP is an epoxy resin based compound suitable for placing using hand tools such as a spatula or notched trowel. The two-pack product consists of a white base resin paste and a red hardener paste. The colour coding of the base and hardener enables uniform mixing to be obtained. AEROBOND EP is particularly advantages with dry and touch damp surfaces and can be used to bond two old concretes or old concrete to fresh concrete. AEROBOND EP is designed as a primary bonding medium for to assemble units constructed from concrete, brickwork, masonry aluminum and steel. The product is supplied ready for site mixing and application. The applied product is self-priming giving excellent adhesion to most construction materials.

Uses

- Bonding of all units constructed from concrete, brickwork, masonry, aluminum and steel.
- Non-slip application to concrete road surfaces at bends, corners and junctions.
- Bonding renders, screeds or fresh concrete to existing concrete.
- As a primer for an epoxy coating and screed.
- Horizontal and vertical surfaces where mortar or concrete can be supported by formwork.
- Repairs to structural concrete in buildings, loading bays, bridges, roads, bonded or granolithic floor toppings etc.,

Advantages

- Excellent chemical resistance
- Cures even on damp surfaces.
- Ensures perfect waterproof bond.
- High Bond strength : Bond strength is more than the tensile strength of good quality concrete.
- Acts as a barrier coat to the migration of chloride ions from host concrete.
- Excellent adhesion.
- Long workable time.
- Excellent adhesion and impact resistance.

Instruction for use

Surface Preparation

All surfaces to be treated must be firm, dust free and clean. All laitence should be removed by etching with SAYOKLENS and wire-brushing. In some cases, the existing concrete must be chipped to a sound substrate. Where surfaces are contaminated with oil or grease, this should be removed by



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Typical Properties & Specifications:

Sr.No	Properties	Specification
1	Physical Appearance	Pink Colour (mixed)
2	Usable Life @ 30 °C	45 minutes
3	Full Cure	7 days
4	Overlay time	10 hours @ 30 °C
5	Compressive strength	60 N/mm ² @ 7 days (BS 6319 : Part 2)
6	Flexural Strength	35 N/mm ² @ 7 days (BS 6319 : Part 3)
7	Tensile Strength	20 N/mm ² @ 7 days (BS 6319 : Part 7)
8	Shear Strength	10 N/mm ² @ 7 days (BS 6319 : Part 4)

using a strong industrial detergent or organic degreaser. Surface should be washed thoroughly with water and dried before the application of AEROBOND EP.

Mixing

Mixing should be carried out using full packs only. Place the hardener into resin base container which has enough volume to act as the mixing vessel. Mix using a slow speed high torque drill with a Mortar Stirrer for 1 to 2 minutes until homogeneous mix colour is obtained.

Application

Bonding

AEROBOND EP should be applied by brush to the prepared surface. The new concrete should be placed within 6 hours at 30 °C to the AEROBOND EP coated substrate, when it is in a tacky state. Do not disturb the assembly until the adhesive has sufficiently hardened, approximately 24 hours.

For bonding screeds; renders or fresh concrete to existing concrete surfaces ; apply an even coating of resin to the prepared old concrete surface using a brush, or roller. The fresh concrete or mortar should then be placed on top of the resin layer after 15 Min and within 5 Hours at 30 °C.



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Cleaning

Tools should be cleaned immediately after use with SAFECOTE TOOL CLEANER.

Laminations

AEROBOND EP should not be applied when the temperature is below 10 °C. If any doubts arise concerning temperature or substrate conditions, consult the local SAYONA CONCHEM office.

Packing & Coverage

Packing: 1 and 5 kg.
Coverage: 0.3 kg/m²

The covering capacity of **AEROBOND EP** will vary depending upon the porosity & texture of the surface and the ambient temperature.

Shelf Life & Storage

AEROBOND EP has a shelf life of 12 months from date of manufacture when kept at a temperature between 5 °C to 45 °C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

Quality Assurance

AERO CONCHEM LLP is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2008.

Health & Safety

AEROBOND EP is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately. Full health and safety data are given in Product Safety Data Sheet.

OUR RANGE OF PRODUCTS



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