



AIMBOND EP

Epoxy primer and bonding agent

DESCRIPTION

Aimbond EP is an epoxy bonding agent and adhesive for the bonding of new concrete /render to old concrete. Aimbond EP does not shrink and can be applied on slightly damp areas as well.

ADVANTAGES

- ▶ High bonding strength, ultimate bond strength is greater than cohesive strength of concrete
- ▶ Moisture tolerant, can be applied on slightly damp surfaces
- ▶ Non-shrinking
- ▶ High chemical resistance
- ▶ High durability
- ▶ Can be applied in both internal and external areas

USES

- ▶ Bonding old to new concrete
- ▶ Repair of concrete
- ▶ Old and worn concrete
- ▶ Glazed tile and bricks
- ▶ Engineered and semi engineered bricks
- ▶ Offshore and marine structures

APPLICATION INSTRUCTIONS

Surface preparation

All surfaces must be structurally sound and clean. Remove traces of oil, loose particles, laitance, demoulding agent, curing compound, grease, paint or bitumen. Smooth surfaces shall be abraded to get a mechanical key. If the concrete surface is not suitable or has disintegrated badly, chip off the degraded areas until a sound surface is obtained. New concrete should be cured until the shrinkage and moisture movement is the minimum.

Mixing

Pour part 'B' hardener to part 'A' resin pail and mix thoroughly to get a homogenous color and consistency.

Application

AIMBOND EP may be applied evenly with a short haired brush or with a trowel. Place the screed /concrete or repair mortar immediately after application of AIMBOND EP to avoid contamination. If the bonding agent dries out, apply a fresh coat.

COVERAGE

3-5 sqm/L

CLEANING

All tools shall be cleaned with AIMSOLVENT immediately after use. Hardened materials can be removed mechanically only.

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STORAGE AND SHELF LIFE

Store in a cool, dry place and keep away from all sources of heat and sunlight. In tropical climates, store in air condition rooms. The shelf life is up to 12 months in unopened condition and if stored as per recommendations. excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life.

HEALTH AND SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and content details. Reseal all the containers after use and ensure product is stored as instructed on the safety section of the labeling.

PACKAGING

AIMBOND EP - 1L AND 5L KITS
AIMSOLVENT - 5L AND 20L PAILS

TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHOD	TEST STANDARDS
Color & appearance	Off white viscous - liquid	-
Density, [g/cc]	1.3±0.05	ASTM D 1475
Application life, [minutes]	90	BS 4254
Tack free time, [hours]	5	ASTM C 882
Slant shear bond strength, [N/mm ²]	>12	ASTM C 882
Water absorption @24 hours, [%]	<1	ASTM D 570
Standards	ASTM C 881 Type I, II, III, V, VI, Grade 3, class D, E & F	-
Application temperature, [°C]	5 to 35	-

All values given are subject to 5-10% tolerance

The information given in this datasheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions, etc.



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