



DESCRIPTION

PACTOBond AP is a single component, acrylic based polymer bonding agent, primer & curing agent. It is also a primer and additive for cementitious mortars and renders, concrete and repair materials.

It is resistant to hydrolysis and can therefore be used for external applications as well as internal ones.

PRIMARY USES

PACTOBond AP is used for bonding of repair mortars and new concrete to existing cementitious surfaces. It can also be used as a curing membrane to prevent loss of water from the repair mortar. PACTOBond AP can be used for modifying cement mortar properties by using it as an additive to the mortar mix.

ADVANTAGES

- Single component, economical and simple application
- Increased durability & excellent water resistance
- Provides a plasticising effect and reduces shrinkage
- Improved corrosion protection
- Provides excellent adhesion and bond to concrete, mortar, stonework, plaster etc.
- Improves cohesion and workability when used as an additive
- Improved flexural and tensile properties allowing for thin application

TECHNICAL DATA (TYPICAL PROPERTIES at 25°C)

PROPERTY	TEST METHOD	VALUE
Color		Milky White
Specific Gravity	ASTM D1475	1.02 kg/ltr +/- 0.02
Compressive Strength	BS 6312-2	10-15% increase over control
Flexural Strength	BS 6319-3	5-10% increase over control
Tensile Strength	BS 6319-7	5-10% increase over control
Tensile Bond Strength	ASTM C932	> 1 N/mm ²

TECHNICAL DATA (TYPICAL PROPERTIES at 25°C)

PROPERTY	TEST METHOD	VALUE
Pull Out Strength	ASTM D4541	> 1 N/mm ²
Bond Strength	ASTM C1042	> 8.6 N/mm ²
Toxicity		Non Toxic

STANDARDS

ASTM C1059 Type II, ASTM C932

SURFACE PREPARATION

Ensure that the surfaces are clean and free from loose particles, laitance, oil, grease, etc. Saw cut the edges of the repair locations to a depth of at least 6 mm to avoid feather edges. Break out the complete repair area to minimum depth of 6 mm up to the sawn edge. Absorbent surfaces should be saturated thoroughly with water but avoid ponding.

MIXING

As a Bonding Slurry Coat: Mix PACTOBond AP with clean water and cement in the ratio of 1:1:1 by weight to get bonding slurry coat. Mix using a slow speed drill machine fitted with a paddle.

As an Additive: Cement, fine aggregates and coarse aggregates (if required) are dry blended together using a forced action mixer for 2-3 minutes. Mix PACTOBond AP with water in 1:1 proportion. Mix this solution with above dry blended mix to obtain uniform, smooth consistency repair mortar/screed. For mix design details, refer table below as a guideline. Manual mixing is not recommended. Use a slow speed drill machine with a paddle.

N.B: for GENERAL GUIDELINES about the use of PACTOBond AP and the mix proportions in Repair Mortars, Floor Screeds and Renders, please refer to the product method statement.



APPLICATION

As a Neat Bonding Agent: PACTOBond AP can be applied directly on the substrate as a bonding agent. Apply using brush, roller or spray. Apply evenly to the surface and avoid ponding.

As Bonding Slurry Coat: Apply slurry to saturated substrate at 1-2 mm thickness and place new repair mortar/concrete immediately before the slurry dries.

As Mortars / Toppings / Renders Additive: PACTOBond AP modified mortars, toppings and renders must be well compacted on to the primed surface by trowel.

Exposed steel reinforcement should be completely encapsulated by the mortar.

CURING

All cementitious mortars, renders, screeds, repair materials modified with PACTOBond AP should be cured with mist water spray or moist curing by spreading wet hessian or use of PACTOCure range of curing compounds.

COVERAGE

As a neat bonding agent: 5-7 m²/ltr/coat . Actual coverage depends on texture and porosity of substrate. As an additive for tile adhesives, bedding mortars, sand-cement renders, plasters and screeds, the dosage may vary from 10 - 20% by weight of cement.

PACKAGING

5 ltrs., 20 ltrs. and 200 ltrs.

LIMITATIONS

PACTOBond AP should not be used as curing compound where surface is to be coated with epoxy or polyurethane coatings.

STORAGE AND SHELF LIFE

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

EQUIPMENT CLEANING

Clean all equipments and tools with water immediately after use. Hardened material can be removed mechanically.

HEALTH AND SAFETY

PPE's: Gloves, goggles and suitable mask must be worn.

Precautions: Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.

Hazard: Regarded as non-hazardous for transportation.

Disposal: Do not reuse containers. To be disposed off as per local rules and regulations.

For additional Information please refer to the MSDS available on request.



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