



LayBond AR

Acrylic Bonding Agent

PRODUCT DESCRIPTION: LayBond AR is an Acrylic based latex that is used to improve the bond between old and new concrete. When mixed with cement and sand it forms a strong bonding mixture that will adhere to most Cementitious surfaces. The resulting mix has superior properties such as high impact resistance, high water resistance, high crack resistance and excellent bond strength.

USES: Interior or exterior laying of new concrete on old concrete. Patching and re-surfacing of concrete floors, columns, beams, and walls. Floor toppings, pre-leveling of concrete floors, skid proofing dust proofing and water proofing.

ADVANTAGES: LayBond AR is a ready-to-use bonding agent. LayBond AR can be used in water proofing applications and as a surface primer.

LIMITATIONS: Not compatible with other admixtures. Do not use during freezing weather.

COMPOSITIONS AND MATERIALS: Internally plasticized acrylic latex and modifying agents

PACKAGING: Packaged in 30 Lit plastic Jerrycan.

APPLICABLE STANDARDS: LayBond AR meets or exceeds ASTM C309 type II.

TECHNICAL DATA: LayBond AR performs equally well on porous and non-porous surfaces. LayBond AR is non-staining and water washable. For optimum performance mix LayBond AR in the following proportions:

Bonding Grout: Mix LayBond AR with 5 parts cement and 2 parts fine sand.

Vertical Surface: Mix LayBond AR with 1 parts cement and 3 parts fine sand.

Floor Topping: Mix LayBond AR with 1 parts cement and 2 parts fine sand

Performance Characteristics

Cement Mix with LayBond AR Results ASTM Requirement		
Bond Strength (28-Day Cure) immersion test		
Bond Strength to cement specimen	1800 psi	1250 psi

Usage Chart

Application	Dilution
Bonding agent of new concrete on old	As is
Tile Adhesive (old method with Soaking of tiles)	1:1
Topping, repair, resurfacing, wall finish	1:1
Pre-leveling, floor finish	1:3
Water Proofing	As is
Crack sealing	1:2



INSTALLATION:

Surface Preparation: All surfaces must be clean and free of dust, grease, sealants and foreign matter.

Application: Rinse old concrete with water. Mix cement sand and LayBond AR in the recommended proportions. Add more water to obtain a more flowable mix if necessary. Pour or apply with trowel. Level with a wooden float. When applying thick screeds over 35 mm use larger aggregates instead of fine sand.

Precautions: Avoid contact with skin. In case of contact wash thoroughly with water. For eyes, get medical attention. Keep out of reach of children.

Cleaning: Wash with water.

Storage Life: One year if stored in cool, dry location. Close partially used containers tightly.

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