

ASIAN LABORATORIES

88, D.S.I.D.C. Sheds, Scheme-I, Okhla Industrial ,Area, Phase-II, New Delhi-110020

PRODUCT INFORMATION

BOND AID-AR

Acrylic latex bonding agent and admixture for portland-cement mortar and concrete

PRODUCT:

BOND AID-AR is an acrylic-polymer latex. It is a non-reemulsifiable, general-purpose bonding agent and an admixture to produce polymer-modified concrete and mortar.

It is polymer base high quality liquid bonding agent for improving adhesion and strength of all types of commonly used mortars. It is suitable as an admixture for concrete, cement-mortar, lime and gypsum mortars for exterior as well as interior use.

Addition of the BOND AID-AR to the mortar improves the bond between the old surface and the mortar, increases resistance of the topping against wear and renders the mortar water-tight, tough and fast curing; resistance to most common chemicals is improved. It is packaged ready to use and is easily applied with roller, brush or spray.

BOND-AID-AR complies with the requirements of A.S.T.M.:C 1059 Type-II

USES :

- (i) As bonding agent admixture, it adds extra bonding qualities when application is made over dense concrete or dense masonry, cement-based screeds, plaster work toppings for patching or resurfacing concrete floors, side walks, driveways or ramps.
- (ii) Its performance is excellent for bonding all types of plaster and concrete, interior or exterior, to new and old surfaces of plaster, wallboard, fiber board; wood, metal, glass, tile, concrete, masonry, marble etc. Also it will bond to paint provided it is not water soluble and if glossy, it has been abraded.
- (iii) Cement mixes prepared with BOND AID-AR are suitable for exterior and interior use.
- (iv) For bonding mortar bed of ceramic tile to old walls and floors. For bonding terrazzo and stucco to old surfaces

ADVANTAGES :

- Saves time, money and labour by eliminating roughening or chipping operations
- Not affected by alkalinity of lime plaster or Portland cement.
- Non-flammable; non-deteriorating and inert, no volatile organic solvents
- Retains plasticity; never becomes brittle.
- Withstands humidity and temperatures from -8°C to 40°C
- Has high tensile and shear strength-stronger than most concrete.
- Can be applied over damp or dry surface.
- Once BOND AID-AR has thoroughly dried the bond is completely unaffected by variances of humidity, or condensation.

PROPERTIES :

- BOND AID-AR provides an efficient adhesion and bonding of mortar, concrete and plasters to hardened concrete and mortar bases.
- BOND AID-AR admixed mortars are easy work with and can be drawn to very thin layers.
- BOND AID-AR increase the elasticity of the mortars and concretes and therefore prevents the formation of stress cracks in the hardened and set mortars or concretes.

APPLICATION :

Preparation of base :

The base should be clean, free from loose materials, and dust, laitance, efflorescence, etc. It should also be free from Oils, fats and similar contaminations. The prepared bases should be slightly wetted before the application of forth coming layers. Do not apply BOND AID-AR to questionable surface.

In case of smooth or uneven bases it is advisable to apply a coat of BOND AID-AR admixed slurry. The following proportions are recommended for the preparation of the slurry. One part of standard cement to one part of clean fine sand should be dry mixed. BOND AID-AR should be added to the mixing water in a ratio of one part of BOND AID-AR to two part of water. This mixing water should be added to the dry mix until a slurry is obtained. The above mentioned applications of BOND AID-AR are few examples for usage of BOND AID-AR admixed mortars and plasters. Depending upon the nature of the individual requirements BOND AID-AR can be mixed almost with all types of mortars and concrete where a good bonding and even finish are criteria.

Primer (coating only) – Apply diluted BOND AID-AR to prepared concrete substrate using brushes, rollers, soft brooms, or spray. BOND AID-AR must be tack-free (film formation) prior coating Estimated coverage is 60 sqft/Lit.

BOND AID-AR primer may be applied up to 24 hours ahead providing the area is kept dry and clean . Very porous concrete may require a second coat of BOND AID-AR to seal the surface.

Bonding Agent : Brush slurry into area to be resurfaced with stiff-bristled broom or scrub brush. Be sure entire surface and all edges are coated. Apply topping immediately over scrub coat before the bonding slurry dries.

Admixture – Immediately trowel BOND AID-AR mortar or concrete mixes applied in areas to be patched. Do not over-finish. As soon as finish will resist damages, cure with damp burlap and/or white pigmented polyethylene film. Curing should continue for 24 hours.

Pre-testing is recommended when adding BOND AID-AR to a specific mix design to assure proper results are obtained

PACKAGING : 35 and 220 litres containers

CONSUMPTION : Refer to mixing ratios. However, coverage varies widely with porosity of background and application. As bond for rendering. (1:3 dilution), coverage is approximately 40 m²/Litre

STORAGE : Protect from frost

N.B. : This information is given in good faith, is based on results gained from experiences and tests. However, all recommendations or suggestion are made without guarantee since the conditions of use are beyond our control.

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