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PRODUCT INFORMATION

BOND AID

BONDING AGENT FOR IMPROVING STRENGTH AND ADHESION OF SCREEDS. BINDING MORTARS, REPAIR MORTARS, PLASTERS, LEVELING MORTARS.

PRODUCT :

It is a 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 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, taugh 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 complies with the requirements of B.S.:5492:1977 and A.S.T.M. : C-631

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 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 has thoroughly dried the bond is completely unaffected by variances of humidity, or condensation.

PROPERTIES :

- BOND-AID provides an efficient adhesion and bonding of mortar, concrete and plasters to hardened concrete and mortar bases.
- BOND-AID admixed mortars are easy to work with and can be drawn to very thin layers
- BOND-AID 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 to questionable surface.

In case of smooth or uneven bases it is advisable to apply a coat of BOND-AID 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 should be added to the mixing water in a ratio of one part of BOND-AID 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 are few examples for usage of BOND - AID admixed mortars and plasters, Depending upon the nature of the individual requirements BOND-AID can be mixed almost with all types of mortars and concrete where a good bonding and even finish are criteria.

Recommended mixing ratios are presented below, slight variations in these proportions are allowable depending upon the site requirements

RECOMMENDED MIXING RATIOS FOR VARIOUS APPLICATIONS:

Type of Applications	Mixing Ratio (Parts By Volume)		
1. Bonding slurry for bonding be layers to hardened basis	Cement BOND-AID	: :	Sand = 1 : 2 Water = 1 : 2
2. Patching and repair mortar (i) Up to 10 mm thick (ii) Up to 20 mm thick and above	Cement BOND-AID	: :	Sand = 1 : 3 Water = 1 : 3
3. Cement screeds with high abrasion resistance, high elasticity and less dust formation. (i) Up to 30 mm thick (ii) Up to 60 mm thick and above	Cement BOND-AID	: :	Sand = 1 : 4 Water = 1 : 6
4. Plastic reinforced mortars for plasters, bonding and joint mortars with better bonding and higher weather resistance.			
(i) Cement mortars	BOND -AID	:	Water = 1 : 4-5
(ii) Lime and lime cement mortars	BOND -AID	:	Water = 1 : 10
(iii) Joint mortars	BOND -AID	:	Water = 1 : 2
(iv) Bonding mortars	BOND -AID	:	Water = 1 : 2

5. for bonding plaster or stucco to concrete and masonry walls or ceiling (do not use where constant water is present), apply BOND-AID by brush roller or spray. Allow film to dry tack free before applying plaster or stucco

6. For bonding concrete or terrazzo floors to concrete-new or old, apply BOND-AID by brush, roller or spray in an evenly distributed cost but not permitting BOND-AID to puddle in low spots, Allow to dry until film is no longer tacky before applying concrete topping or terrazzo.

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 m^2/llitre

STORAGE :

Protect from frost

PRICE, PERIOD OR DELIVERY AND TERMS OF BUSINESS ON REQUEST

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MANUFACTURED BY

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