



Hydraflex AR

Acrylic Basis Bonding Agent

Description

Hydraflex AR is a liquid bonding agent based on acrylic emulsion dissolved in water, specially formulated for use with cement mixtures. It is used as bonding between new/old, new/new, mortars and concrete layers to improve bonding, water-resistance and other important characteristics. Reduces water permeability of mortars and concrete. Ready-to-use and easily applied.

Object

- As a mortar, when mixed with sand and cementitious for patching on surface of old or new concrete floors and mortars
- As a bonding agent between new/old concrete layers; new/new concrete to mortar layers.
- As a cementitious slurry brushed into previous layers before application new concrete/mortar to form a very strong bond between such layers as also to improve water-resistance
- Increases the elasticity of bond between different layers and thereby reduces or prevents the formation of stress cracks during curing as also stress from vibrations in floor (running fork-lift trucks ,etc)
- As a bedding mortar, including thin-bedding, for tiles and terrazzo compounds for improving bonding and ensuring water-proofing
- For patching of floors/walls
- Finishing of concrete block walls

Advantage

- Forms strong and durable bond between layers of concrete, concrete mortars, old/new and new/new.
- Ready-to-use and with easy application.
- For exterior and interior uses
- Withstands water exposure, short duration as well as long-time.
- Bonds to most cementitious surfaces.
- Improves oil penetration and resistance to mild chemicals.
- May be used on wet surfaces close to or slightly below freezing.
- Increase waterproofing property.
- Does not contain chloride, non-corrosive and non-flammable
- For weather-resistant external renderings

Characteristics

Appearance:	milky liquid
Bulk density:	1.1 +/- 0.01 kg/l
pH value:	7.0-7.5
Freezing point:	-3 °C
Flash-point:	Non-flammable

Instruction for Use

Hydraflex AR must be applied on a clean and sound concrete/mortar, free from laitance, dirt, oil and grease. Surface must be pre-wetted prior to application of Hydraflex AR.

Mixing according to separate mixing table and in accordance to objects and usage.

Packaging

In drums of 210 kg. , 20 kg.

Cleaning

The working equipment, tools etc., can be mechanically cleaned by using brushes in combination with Water. The cleaning should be done immediately after the completion of the work and within the pot life of the material to avoid sediments on the equipments ,tools etc

Precaution

Non-toxic. In case of contact with skin, wash with clean water. In case of eye-contact, wash immediately with an abundance of clean water and contact eye-doctor.

Storage

Hydrflex AR should preferably be or protected from frost. If the product does become frozen, it should be carefully mixed after thawing out to restore it to its normal state. Do not expose to direct sunlight.

Type of Application	Mixing Ratios	
	Hydrflex AR : Water	Cement : Sand
Patching and repair	1:2	1:2 Up to 10 mm
	1:3	1:3 More than 10 mm
Bonding slurry for bonding new to hardened bases	1:1	1:1
Leveling and smoothing mortars with increased oil benzene, water and mild chemical resistance	1:2	1:2-3
Repairs to pre-stressed Concrete	1:1	1:2
Joints in pre-cast concrete	1:1	1:2
Wide cracks in vertical and horizontal surfaces	1:1	1:2
Waterproofing slurry,	1:1	1:2

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