

BONDACOAT AR

Acrylic Polymer Latex Bonding Agent

DESCRIPTION

BONDACOAT AR is a single component emulsified Styrene Acrylic emulsion as polymer latex. It is supplied in milky low viscosity liquid ready to mix with cementitious repairing mortar and screeds.

BONDACOAT AR is multipurpose bonding agent and concrete admixture.

Compliance: BS 6319 Part 2, 3, 4.

USE

BONDACOAT AR is used as primer water base of cementitious plasters.

BONDACOAT AR is used as admixture to reduce the shrinkage of concrete repair mortars.

BONDACOAT AR can use as bonding agent for bridges, car parking, water tanks and airport runways.

It is suitable for warehouses, garages and industrial buildings.

ADVANTAGES

- Water based no VOC.
- Applicable for internal and external purposes.
- Easy to mix with cementitious repairing materials.
- Reduce shrinkage and hair cracks.
- Improves the hardness and compressive strength.
- Improves erosion and corrosion resistance.
- Bonding agent of new concrete to old concrete.
- Waterproofing characters, applicable in water reservoirs.
- Good penetration in concrete surface, masonry and plasters.
- Chloride free.

SURFACE PREPARATION

All surfaces should be clean, dry and free from dust and other contaminants. Wet substrates should be used sponge dried to remove all surface water, then dried. Treat oil or grease contamination should be removed by degreaser followed by water or steam cleaning.

Keep the depth of application area at 10 mm minimum to avoid featheredging.

Exposed steel bars must be cleaned and roughen the surface and remove the laitance by light scrubbing or grit blasting.

The concrete substrate should be flushed with cleaned water and the steel bars coated by anticorrosion paint **ZINCOAT EP** or **PRIME EPS [Red]** – Refer to TDS

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

Date Revised: 07th July 2015

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MIXING

Slurry BONDACOAT AR:

Clean water: 1.0 liter

BONDACOAT AR: 1.0 liter

OPC: 3.0 – 5.0 kg

All part should be mixed by using low speed drill paddle. The mixture is ready to use as a primer coat.

Mortar BONDACOAT AR:

Clean water: 8-10 liter

BONDACOAT AR: 10.0 liter

OPC: 50.0 kg

Graded washed silica sand: 150 kg

All part should be mixed by using low speed drill paddle. The mixture is ready to use as patching repairing mortar.

APPLICATION

BONDACOAT AR should be applied immediately after removing the shattering by spray in two directions to confirm that the concrete surface was completely covered.

BONDACOAT AR can be applied to the surface recently hardened after the surface sprayed by water to keep the concrete surface saturated.

PHYSICAL PROPERTIES

Appearance	Milky low viscosity liquid
Specific Gravity	1.02 + 0.01
Solid Content	53% + 1.0
pH	> 8
Dry Time	20 minutes
Flash Point	Nonflammable

COVERAGE

8 m²/ liter as primer coat.

5 -10.0 liter per 50.0 kg cement as concrete admixture.

CLEANING

Tools and equipments must be cleaned immediately by using sweet water.

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PHYSICAL CHARACTERISTICS

The follow results are for repairing, render and mortar:

Compressive Strength BS 6319 part 2	28 N/mm ²
Flexural Strength ASTM C 190	10 N/mm ²
Tensile Strength ASTM C 190	3.0 N/mm ²
Slant Share Bond	30.0 N/mm ²

PACKAGE

1, 5 USG.

STORAGE

Product should be at 25°C in dry conditions.

SHELF LIFE

12 months in tightly closed container.

HEALTHY AND SAFETY

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray. MSDS is available on request for the safe handling of this product.

FIRST AID

Eyes: In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin: Wash skin thoroughly with soap and water or approved industrial cleaner. DO NOT USE solvent or thinners.

Inhalation: Remove to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention