ADHERE BONDS
The Versatile Construction Chemicals

ADHERE BONDS - SBR

Bonding Agent & Cement Additives

ADHERE BONDS - SBR is styrene butadiene rubber latex which has been specifically designed for use with cement compositions. It can be used as bonding coats, prior to application of renders, plasters or screeds. ADHERE BONDS - SBR provides excellent adhesion between old and new concrete and hence ensures a monolithic system after repair.

ADVANTAGES:

Excellent bond strength.
Resistant to water vapour and water penetration.
Highly recommended for repairs and rehabilitation of structures.
FUNCTION:

ADHERE BONDS - SBR when incorporated into cement mortar mixes, forms polymer modified system with interpenetrating polymer films which exhibits excellent adhesion, improved tensile, flexural and compressive strengths and improved chemical resistance.

USES:

ADHERE BONDS - SBR used for repairing concrete elements like beams, columns and slabs, abrasion resistant flooring and lining effluent tanks and tubes.

METHOD OF APPLICATION:

When ADHERE BONDS - SBR modified mixes are used, it is essential that the following procedures are closely followed.

SURFACE PREPARATION:

Remove all laitance, oil, curing compound etc using a wire brush or for large floor areas, a scrubbing machine. Ensure that reinforcing steel is clean and free from grease or oil, remove scale and rust. When repairing damaged concrete, ensuring expose sound surface.

BONDING SLURRY:

Ensure that absorbent surfaces such as concrete, brick, stone etc., are saturated. Prepare bonding slurry consisting of 2 parts cement to 1 part ADHERE BONDS - SBR, mixed to a lump free consistency. Apply using a stiff brush over the damp surface ensuring that no pinholes are visible. Do not apply bonding slurry thickness not exceeding 2mm. If a second coat is necessary, it must be applied after allowing the first coat to "flash off".

PREPARATION OF ADHERE BONDS - SBR MODIFIED MIX:

It is important that the ADHERE BONDS - SBR modified mix is applied to the wet bonding slurry. If the bonding slurry dries, another coat must be applied. The proportions and quantities of sand, cement and ADHERE BONDS - SBR differ for particular applications (see mix design).

WORKABILITY:

The strong plasticizing action of ADHERE BONDS - SBR allows the water cement ratio to be reduced to a minimum consistency with workability required for application.

MIXING:

Mixing should preferably be carried out in a concrete mixer although hand mixing is permissible where the total weight of the mix does not exceed 25kg. Charge the mixer with the required quantity of sand and cement, and premix for approximately one minute. Pour the desired quantity of ADHERE BONDS - SBR and mix for 2 to 3 minutes. Finally, add the water little by little, until the required consistency is achieved. Owing to the strong plasticizing properties of ADHERE BONDS - SBR, it is best to add the water cautiously as rapid thinning can occur.

CURING:

It is preferable to cure ADHERE BONDS - SBR modified mortars as soon as they are laid to prevent rapid evaporation of water essential for hydration. This can be achieved by using polythene, damp hessian, or a suitable concrete curing membrane.

COMPATIBILITY:

ADHERE BONDS - SBR is compatible with all types of OPC, sulphate resistant and high alumina cements.

PROPERTIES:

Supply form	White Liquid
Specific gravity	1.01 at 20˚C
Toxicity	Nil

SPECIFICATION COMPLIANCE:

ADHERE BONDS - SBR meets ASTM C 1059-99, standard specification for Latex Agents for Bonding Fresh to Hardened Concrete, Type II.

SHELF LIFE:

12 months from the date of manufacturing in ideal storage conditions.

PACKING: 1, 5, 25, 50, 200 Kgs.

Adhere Bonds
Coats Pvt Ltd