



AEROTM
CONCHEM LLP

AN ISO 9001 : 2008 CERTIFIED COMPANY

AEROBOND SBR 40

High quality Mortar and screed modifier cum bonding agent

Description

AEROBOND SBR 40 is a milky white latex based on a modified styrene butadiene copolymer emulsion. The resulting product is a waterproofing and bonding admixture. AEROBOND SBR 40 can be mixed with cements, sand-cement mortars and concretes. The mixes produced give high bond strength to existing concrete, masonry and reinforcing steel. Weather resistance is improved due to reduced permeability and thinner sections may be applied due to improved flexural and tensile strengths. Additional improved properties include abrasion resistance, freeze thaw resistance and chemical resistance. AEROBOND SBR 40 is suitable for both internal and external use.

Uses

- Concrete repairs
- Floor toppings
- Bonding of screeds and renders
- Waterproofing of tanks and pools
- Repair of large cracks
- Waterproof plasters for masonry and slurries.

Advantages

- Universal bonding agent.
- Easy to apply, easy miscibility and compatible with all common hydraulic cements.
- Excellent water resistance – Provides waterproof screeds, plasters and permeability slurries.
- Excellent flexibility, good adhesion – Provides excellent bond to concrete, adhesion plaster, masonry, stone work, etc.,
- Improved tensile and flexural strength allow thin applications.
- Safe, non-toxic, non-flammable.

Instruction for use

Surface Preparation

All surfaces to be treated must be sound and free from dust, dirt, oil, greases and other contaminants. All surfaces should be thoroughly washed with clean water & allowed to dry.

Application

Apply passivator coat : 1 part cement and 1 part AEROBOND SBR 40 coat on cleaned reinforcement and allow it to dry for 2-3 hours.

AEROBOND SBR 40 is a ready to use bonding agent and is simply applied dry brush on the surface.

AEROBOND SBR 40 can be used with cement in the ratio of 1:2 and can be mixed in gauging water of cement mortar for making the surface waterproof. Also, it increases the bonding ability of mortar.

Typical Properties & Specifications:

Typical mechanical properties of 1 : 3 cement sand mortar at W/C - 0.45 for control and W/C - 0.35 for mortar containing AEROBOND SBR 40 (5 litres / 50 kg cement).

Mechanical Properties	Control	AEROBOND SBR 40 Compressive strength (N/mm ²)
3 days	11.5	13.0
7 days	13.0	14.8
28 days	22.0	24.5
Tensile strength (N/mm ²) @ 28 days	2.5	3.8
Flexural strength (N/mm ²) @ 28 days	5.0	6.6

Water Vapor Permeability : Less than 4 gm/m²/24 hrs.
Chemical Resistance : Resists mild acids, alkalis, sulphates, chlorides, urine, dung, Lactic acid, sugar, etc. ;
Shrinkage During Cure : 0.01% to 0.02%.

Application Guidance

Prepare surfaces thoroughly. Toe-in at edges wherever possible to avoid feather edging.

All surfaces including edges must be primed. All applications should be wet on wet, the primer must not be allowed to dry.

The level of added water in the mix designs may need adjustment to achieve the required consistency. In general water content should be kept to the minimum necessary. For consistent performance the use of clean, dry sand is recommended. Where wet sand is used, reduce the addition of water as appropriate.



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Cleaning

Tools should be cleaned immediately after use with clean water.

Packing

AEROBOND SBR 40 is supplied in 200 ml. 1, 5, 10, 50 & 100 litre containers.

Coverage :

Concrete repairs : AEROBOND SBR 40 should be use 200 ml / 50 kg. of cement.

Bonding agent : AEROBOND SBR 40 has coverage of approx 6 – 8 m² / litre depending on surface condition.

Shelf Life & Storage

AEROBOND SBR 40 has a shelf life of 12 months from date of manufacture when kept at a temperature between 5 °C to 45 °C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

Quality Assurance

AERO CONCHEM LLP is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2008.

Health & Safety

AEROBOND SBR 40 should not come into contact with skin, eyes or be swallowed. Protective glasses should be worn during mixing and application. Should AEROBOND SBR 40 come into contact with skin, remove before hardening by washing with soap and water. Should accidental eye contact occur wash with plenty of water and seek medical advice. If swallowed seek medical advice immediately. Do not induce vomiting. For full health and safety data refer to Product Safety Data Sheet.

OUR RANGE OF PRODUCTS



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