

ADVABOND SBR

Water resistant bonding agent and admixture for cement systems

DATASHEET

DESCRIPTION

ADVABOND SBR is a styrene butadiene copolymer based which has been specially designed for use with cement compositions. It can be used to form water and vapour resistant bonding coats, prior to application of renders, plaster, or screeds. Due to its exceptional adhesive properties, it can be used to bond slip bricks, tiles, coping stones, kerb stones, variety of substrates, including asphalt and glass. When incorporated into cement mortar mixes, it forms polymer-modified systems, which exhibit excellent adhesion, improved tensile, flexural and compressive strengths, excellent resistance to water and water vapour, improved chemical resistance, and can be laid from a featheredge upwards.

ADVABOND SBR modified mixes are non-toxic and can be used with potable water.

USES

ADVABOND SBR modified mixes can be used for bonding of new to old concrete, repairing floors, beams, precast slabs, spalled concrete, patching floor, chemical resistant floors and linings, abrasion resistant flooring, bedding tiles, fixing slip bricks, waterproofing above and below grade, internally and externally. Potable water tanks, sludge tanks and ducts, sewerage and mild chemical holding tanks, tunnels and underpasses, long term protection of reinforced steel from corrosion.

PHYSICAL PROPERTIES

Appearance	White milky liquid
Specific Gravity	1.01 at 20 degree °C
Solids	48%
Packaging	Available in 5 kg, 20 kg & 200 kg drum
Toxicity	ADVABOND SBR modified mixes are nontoxic after cure and can be safely used in conjunction with potable water.

SURFACE PREPARATION

Remove all laitance, oil & grease, mould oil, curing compound, using a wire brush, bush hammer, or for large floor areas, a scabbling machine. Ensure that reinforcing steel is clean and free from grease or oil, remove scale and rust. When repairing spalled or damaged concrete, ensure background is cut back to sound material.

CLEANING

All tools should be cleaned immediately after use using water, solvents such as white spirit or toluene can be useful in removing hardened mortar should this be necessary.

STORAGE

The storage is indefinite in manufacturer's sealed packaging. Protect from frost. Avoid prolonged storage in excessive heat.

SHELF LIFE

The shelf life is 18 months in un-opened condition.

COVERING RATES

Bonding Slurry	Approximately 20 m2 per 5 kg of ADVABOND SBR
Top Coat	Depends on mix design specified

ADVABOND SBR

Water resistant bonding agent and admixture for cement systems

DATASHEET

PROPERTIES

Typical properties of a ADVABOND SBR modified cement and sand mix in the proportion of 3 parts sand to 1 part cement are as follows:

Compressive Strength	60 N/mm ²
Tensile Strength	6.5 N/mm ²
Flexural Strength	13 N/mm ²
Freeze Thaw Resistance	Excellent
Water Vapour Permeability	Reduced by 96 %
Adhesion	Excellent to concrete, steel, brick, glass, etc.
Service Temperature	-20 to 70 °C
Chemical Resistance	Resists mild acids, alkalis, sulphates, chlorides, urine, lactic acid, sugar etc.

The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions etc.



Al Mutathawir Insulation Materials Industries L.L.C.
T: +971 6 5345585 | F: +971 6 5347717 | P.O.Box: 22704, Sharjah-UAE.
E: info@aim-insu.com | W: www.aim-insu.com