



SOLIDSEAL BA

Acrylic Emulsion Cement Modifier and Concrete Bonding Agent



BENEFITS

- > Early strength gain.
- > Improves flexibility.
- > Increases tensile strength.
- > Reduces shrinkage.
- > Prevents bleeding.
- > Lower water cement ratio.
- > Increases durability and toughness.
- > High resistance to water penetration.
- > Good abrasion resistance.
- > Good frost resistance and resistance to salt permeation.
- > Good resistance to many chemicals as well as mineral oil.
- > Excellent adhesion to steel and concrete.
- > Sticks well to brick, glass, asphalt, wood, expanded polystyrene and most building materials.
- > Prolonged corrosion protection.
- > Proven performance.
- > Similar thermal expansion and modulus properties to concrete (unlike resin mortars and primers).
- > More user-friendly and non-toxic.
- > Can be used with potable water.

DESCRIPTION

SOLIDSEAL BA is a highly specialized acrylic co-polymeric compound designed for use with cement compositions. It is used in mortar and concrete as an admixture to increase resistance to ingress of moisture / water, wear resistance and durable material. It is used with cement as a reliable water resistant bonding agent. It can be used as a recommended primer for concrete repair systems.

USES

SOLIDSEAL BA is used for bonding concrete repair, floor screeds and topping, renders and mortars, fixing brick slips and tiles, protection of steel from corrosion. Also used to give good bonding strength between steel and cement.

PACKING, DOSAGE & COVERAGE

SOLIDSEAL BA is supplied in 5 and 20 kg jerrycan. **SOLIDSEAL BA** can be supplied with a dosage of 200 ml / 50 kg bag of cement as regard to concrete repairs. **SOLIDSEAL BA** has a coverage of approx 0.2 kg / m² / coat depending on substrate for waterproofing.



HOW TO USE

Surface Preparation : All substrates 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 and allowed to dry.

Application : **SOLIDSEAL BA** is a ready to use bonding agent and is simply applied dry brush on the surface. **SOLIDSEAL BA** can be used in 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.

SHELF LIFE & STORAGE

SOLIDSEAL BA will have a shelf life of 36 months in unopened container when kept in dry conditions at a temperature between 5 ~ 45 °C. Storage at higher temperature or high humidity may reduce shelf life.

SPECIFICATION

SOLIDSEAL BA is based on liquid polymer containing additives with coverage of approx. 0.2 kg / m² / coat, used strictly in accordance with the instruction of **SOLID**.

PHYSICAL PROPERTIES

<i>Compressive Strength</i>	Up to 40 N / mm depending on the cement used and workability.
<i>Tensile Strength</i>	Up to 5.0 N / mm depending on the cement used and workability.
<i>Flexural Strength</i>	Up to 10 N / mm depending on the cement used and workability.
<i>Freeze Thaw Resistance</i>	Excellent.
<i>Water Vapour Permeability</i>	Less than 4 gm / m ² / 24 hours, through 11 mm thick test piece.
<i>Adhesion</i>	Excellent to concrete, steel, brick etc.
<i>Chemical Resistance</i>	Resists mild acids, alkalis, sulphates, chlorides, urine, dung, lactic acid, sugar etc.
<i>Shrinkage During Cure Chloride / Sulphate</i>	0.01~ 0.02%.
<i>Nitrate / Thiosulphate Content</i>	Nil.

QUALITY ASSURANCE

SOLID manufactures the entire range of construction chemical under compliance of SIRIM and other international standards (ASTM, BS, GBI, LEED).

TECHNICAL SERVICES

While new advance and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel and experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

Disclaimer : The information provided in the data sheets is based on both current development of work and years of field experience. Efforts are made to ensure that the information is reliable, however, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of continuing research and development (R&D) undertaken in our laboratories, we advise customers to ensure that the data sheets provided are not superseded by an updated publication. All products are sold are subject to our standard condition of sale, which is available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local SOLID representative.



FACTORY OFFICE

Lot 772 (10-14), Jalan Subang 4, Kawasan Perindustrian Sg. Penaga
47620 Subang Jaya, Selangor Darul Ehsan, MALAYSIA.

+603-8081 4777 / 4776

+603-8081 4771

info@solidolutions.com.my www.solidolutions.com.my