

CORECRETE SB(L)

Formerly known as FAIRCRETE SB(L)

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 & Non-toxic
- Can be used with potable water

DESCRIPTION

CORECRETE SB(L) is a highly specialized acrylic copolymeric 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

CORECRETE SB(L) is used for bonding concrete repair, Floor screeds and toppings, renders and mortars, fixing brick slips and tiles, protection of steel from corrosion. Also used to give good bonding strength between steel and cement.

TYPICAL PROPERTIES

Compressive Strength	Up to 60 N/mm ² depending on cement used and workability
Tensile Strength	Up to 5.0 N/mm ² depending on cement used and workability
Flexural Strength	Up to 10 N/mm ² depending on cement used and workability
Freeze Thaw Resistance	Excellent
Water Vapor Permeability	Less than 4 gm/m ² /24hr., Through 11 mm thick test piece
Adhesion	Excellent to concrete, steel, brick etc.
Chemical Resistance	Resists mild acids, alkalies, sulphates, chlorides, urine, dung, lactic acid, sugar, etc.
Shrinkage During Cure	0.01% to 0.02%
Chloride/Sulphate Nitrate/Thiosulphate Content	Nil

APPLICATION

Surface Preparation: All surface 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: **CORECRETE SB(L)** is a ready to use bonding agent and is simply applied by dry brush on the surface. **CORECRETE SB(L)** can be used with cement in the ratio of 1:1 and can be mixed in guaging water of cement mortar for making the surface waterproof. Also, it increases the bonding ability of mortar.

PACKING & COVERAGE

CORECRETE SB(L) is supplied in 200ml, 1 ltr., 5 ltr., 10 ltr. 50ltr. and 100 ltr. Containers.

CORECRETE SB(L) has a coverage of approx 6-8m²/ltr. depending on substrate for waterproofing.

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DOSAGE

CORECRETE SB(L) can be supplied with a dosage of 200ml / 50kg bag of cement as regard to concrete repairs.

SHELF LIFE & STORAGE

CORECRETE SB(L) will have a shelf life of **36 months** in unopened containers when kept in dry conditions at a temperature between 5°C to 35°C. Material must be kept under shaded area and away from direct sunlight. Storage at higher temperature or high humidity may reduce shelf life.

SPECIFICATION

CORECRETE SB(L) is based on liquid polymer containing additives with a dosage of 200ml per 50kg of cement as regards to concrete repair with a coverage of approximately 6-8m² per litre, used strictly in accordance with the instruction of CHEMCORE.

QUALITY ASSURANCE

Fairmate manufactures entire range of construction chemicals under compliance of ISO 9001, ISO 14001 & ISO 45001 (Occupational Health and Safety) certified by ISOQAR/UK.

TECHNICAL SERVICES

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our quality control laboratory and technical 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.

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"Contact us to discuss any potential requirement and you will be assured of a rapid and effective response - that's guarantee!!"



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