

# Technical Data Sheet

## StoCrete SBR

Concentrated polymer bonding agent and admixture based on styrene butadiene rubber



### Characteristics

- Area of application**
- As a bonding slurries for floor toppings, renders and mortars to concrete substrate
  - As a bonding aid for tiles and slip bricks
  - As a polymer admixture for cementitious mixes for use in the repair of cracked or worn concrete and cement mixes
  - Incorporated to produce modified floor screeds

### Properties

- Ease of application
- Economical
- Water resistance
- Improves durability of mixes and can be used to produce weather-resistant systems for external use
- Excellent adhesion of mixes to concrete, plaster and masonry
- Gives high tensile and flexural properties of mixes, which enhances thin applications
- Improves resistance against mineral oil, dilute salts and many other chemicals due to reduction in permeability
- Reduce cracking through increased mortar flexibility

### Application

- Apply by brush or spray as bonding aid

### Application

#### Substrate Preparation

The substrate to be treated must be sound, cleaned and free from all contamination. Traces of oil, grease, curing compound etc., must be removed from concrete surfaces by using wire brush, scabble or any other approved means. Smooth substrates must be mechanically roughened.

Before applying StoCrete SBR, pre-wet the substrate thoroughly to reduce moisture loss. Free standing water should however be removed.

#### Material Preparation

##### Use as a Bonding Agent

When use as a bonding agent, mix 1 part of StoCrete SBR to 2 parts of water. It is simply applied by brush or spray to ensure thorough wetting of the surface.

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### Application

#### Material Preparation (continued)

##### Use as a Bonding Slurry (Priming)

Apply on the still damp substrate a slurry coat consisting of 1 volume StoCrete SBR to 2 volume water. Mix the liquids with 3 volume of fresh cement.

The cement should be blended slowly into the liquids and then stirred frequently to offset any settlement. Avoid "pudding" of the slurry coat.

The topping must be applied wet-on-wet. If the slurry dries out, it must be removed and the cleaned substrate re-primed.

##### Use as a Polymer Admixture

	Typical Design Mix			
	Repair Mortar	Topping	Render	Tiles Bedding
Cement (kg)	50	50	50	50
Sand (kg)	150	75	150	125
Aggregate (kg)	-	75	-	-
StoCrete SBR (litre)	3.2	3.2	3.2	4.8
Approx. water (litre)	17 – 21	17 – 21	17 – 21	10.2
Approx. Coverage m <sup>2</sup> / 10 mm thick	10	9.0	10	8.5

#### Curing

Freshly placed screed or rendering incorporated with StoCrete SBR should be kept damp and not exposed to sunlight, rain or rapid air movement until sufficiently hardened.

#### Consumption

The typical mix design table gives an approximate consumption of StoCrete SBR for different type of mixes.

As bonding agent, it covers about 18 – 24 m<sup>2</sup>/litre.

For bond slurry, the coverage is approximately 6 – 9 m<sup>2</sup>/litre of slurry mix depending on the substrate.

#### Application Temperature

Minimum application temperature + 8 °C

Maximum application temperature + 45 °C

#### Cleaning Tools

Tools must be cleaned immediately after use with clean water.

### Delivery

#### Colour

Milky White

#### Packing

StoCrete SBR is available in 5 litres, 25 litres and 210 litres

### Storage

#### Storage life / conditions

The shelf life of StoCrete SBR is approximately 12 months, if stored in cool and dry conditions.

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### Special notes

**Health & Safety** Please refer to Safety Data Sheet

**Technical Support** Please consult the local sales office for further information and any site assistance required.

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on [www.sto-sea.com](http://www.sto-sea.com).

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