

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 bonding aid for repair mortars, non-shrink grouts to concrete substrates
- As a bonding aid between new and old concrete, e.g. construction joints
- 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

Substrate

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.

Application

Application temperature

Lowest application temperature: +8°C
Highest application temperature: +45°C

Technical Data Sheet

StoCrete SBR

Consumption	Type of application	Approx. consumption
	As a bonding agent	18 – 24 m ² /litre
	As a bonding slurry	6 – 9 m ² /litre
	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 ² /10 mm thick	10	9.0	10	8.5

Material consumption/mix design depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project

Application method	Apply by brush or spray as bonding aid
---------------------------	----------------------------------------

Material Preparation	<p><u>Use as a Bonding Agent</u></p> <p>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.</p>
	<p><u>Use as a Bonding Slurry (Priming)</u></p> <p>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.</p> <p>The cement should be blended slowly into the liquids and then stirred frequently to offset any settlement. Avoid “pudding” of the slurry coat.</p> <p>The topping must be applied wet-on-wet. If the slurry dries out, it must be removed and the cleaned substrate re-primed.</p>

Drying, curing, ready for next coat	Freshly placed screed, rendering, repair mortar, non-shrink grouts incorporated with StoCrete SBR should be kept damp and not exposed to sunlight, rain or rapid air movement until sufficiently hardened.
--------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Cleaning the tools	Tools must be cleaned immediately after use with clean water.
---------------------------	---------------------------------------------------------------

Notes, recommendations, special information, miscellaneous	Please consult the local sales office for further information and any site assistance required.
-------------------------------------------------------------------	-------------------------------------------------------------------------------------------------

Delivery

Colour	Milky White	
Packaging	Name	Packing
	StoCrete SBR	5 lit
	StoCrete SBR	25 lit
	StoCrete SBR	210 lit

Technical Data Sheet

StoCrete SBR

Storage	
Storage conditions	Store in cool dry conditions; avoid direct sunlight.
Storage life	This product has a shelf life of 12 months from the manufacturing date.
Identification	
Product group	Bonding Agent
Safety	Please refer to Safety Data Sheet.
Special Notes	
<p>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.</p> <p>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.</p> <p>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.</p>	

Sto SEA Pte Ltd
 159 Sin Ming Road
 #06-02 Amtech Building
 Singapore 575625
 Phone: +65 6453 3080
 Fax: +65 6453 3543
info.sg@sto.com
www.sto-sea.com

Sto SEA Sdn Bhd
 28, Jalan Rajawali 3
 Bandar Puchong Jaya,
 47170 Selangor, Malaysia
 Phone: +60 3 8080 9066
 Fax: +60 3 8080 9255
info.my@sto.com
www.sto-sea.com

Sto SEA Pte Ltd
 3656/49-52 Green Tower, 16th Floor
 Rama IV Rd, Klongton, Klongtoei,
 10110 Bangkok, Thailand
 Phone: +66 2 1684 921 Ext. 230
 Fax: +66 2 1684 999
info.sg@sto.com
www.sto-sea.com

StoCretec GmbH
 Gutenbergstr. 6
 65830 Kriftel,
 Germany
 Phone: +49 6192 401 104
 Fax: +49 6192 401 105
info.sg@sto.com
www.sto-sea.com

*Product images may differ from the actual product.