

# Chemfast SBR

High-strength cement adhesive based on complex water-based styrene copolymer chemistry.

## Product Description

Chemfast SBR is used as a reliable adhesive to bond old concrete to new concrete without the need for using destructive and time-consuming methods like chipping and hacking.

## Uses

It is mainly used as an adhesive to bond old concrete to new concrete during the restructuring and repair of concrete floors, roads, slabs, dam aprons, and spillways, reinforcement of weakened structures etc.

## Salient Features

- Easy to use. Simply apply by roller or brush
- Fast setting
- Good weather resistance and high durability
- Extremely reliable
- Good adhesion to old concrete

## Product Data

<b>Appearance / colour:</b>	white sticky liquid
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## Storage Conditions/Shelf Life

12 months from date of mfg. if stored properly in undamaged seal packaging, at a temperature between 5 °C and 30 °C. It should be kept in a cool, well-ventilated area, away from water, heat, direct sunlight, sparks, and children.

## Mechanical /Physical properties

### Properties of chemfast SBR

Property	Test Method	Value and Unit
Mixing Ratio	NA	1:1 with cement
Pot Life @ 30 °C	CPI 1002	2 hours
Tack free time	CPI 1002	10 minutes
Shelf Life	-	6 months in original unopened Container when stored between 5- 40 °C

## Method of Application

All Chemsol Products are recommended to be applied only by Approved Applicators and should be used after using proper PPEs like Gloves, mask, goggles, etc.

## Substrate Quality

The CDS (clean, dry, sound) test must be conducted. The substrate must be free of all contaminants such as dirt, oil, grease, coatings, and surface treatments etc. If in doubt, apply a test area first.

## Mixing

Mix Chemfast SBR with cement in a 1:1 ratio to make a free-flowing paste.

## Application of Chemfast SBR

Properly grind the substrate to remove the laitance and loose material, followed by vacuum cleaning. Lightly dampen the floor with water (water should not be accumulated on the surface) and then apply bonding agent Chemfast SBR with a brush or roller at a coverage of 5-6 sqm/litre of liquid cement slurry. Immediately pour the mixed mortar on the bonding agent till it is still tacky. Level and compact the mortar to the desired thickness with the help of a wooden float or steel trowel.

## Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically.

## Packing

Chemfast SBR is available in 1 and 4 litre packs.

## Handling & Safety

Keep the containers tightly sealed when not in use. Avoid skin contact and inhalation of fumes (if any). While spraying, it is advised to wear a mask. If it comes in contact with the body, wash affected parts with plenty of soap and water. In case of persistent irritation, contact a physician.

**Disclaimer:** The Information provided is based on our experience, thorough investigations & sophisticated testing methods, but due to the vast number of applications and usage methods, Chemsol Polymer Industries cannot accept responsibility of any kind for any particular result. It is the responsibility of the user to verify the suitability of the product for their end use, and in accordance with the rules and regulations of that country /territory. All information provided pertaining to our products should be treated only as a guidance tool without any guarantee or warranty of any sort.

\* All CPI test methods are our scientifically designed internal test methods which can be shared upon request.

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