



Styrene-butadiene co-polymer **Prechem SBR 5550**; is an aqueous dispersion that is ready for use and stable around electrolytes. It doesn't contain any plasticizers, solvents, or ammonia and has an anionic/non-ionic emulsifier system. Prechem SBR 5550 was primarily created to adhere to project budgetary restrictions. It is a water-based dilution of a thickener-modified pure SBR emulsion.

### ADVANTAGES

- Increases the flexural and tensile strength of mixtures.
- Reduces porosity, which aids in lessening attack from aggressive factors.
- Reduces shrinkage and is compatible with all types of cement.
- It also provides long-lasting corrosion protection.
- Appropriate for both indoor and outdoor uses when used with cement.
- Safe to use.

## **TECHNICAL DATA**

Property	Value	Unit
Solid Content	NA (As diluted as per requirement)	%
pH Value	8	-
Viscosity	NA (As diluted as per requirement)	mPas
Glass transition Material	mPas	°C
Density	1.01 ± 0.2	G / cm <sup>3</sup>
Mean Particle size	0.15	µm
Minimum film forming temperature	< 3	°C
Surface tension	NA (As diluted as per requirement)	N / mm <sup>2</sup>
Tensile strength	NA (As diluted as per requirement)	N / mm <sup>2</sup>
Elongation at break	NA (As diluted as per requirement)	%





## **APPLICATION**

**Prechem SBR 5550** should be added as directed to premeasured water in a suitable container to create a bonding slurry coat. Using a paddle mixer-equipped slow speed drill machine, gradually add cement and thoroughly mix. As an Additive, it is advised to use a paddle-equipped low-speed drill or a forced action mixer. Where necessary, weigh the cement and sand into the mixer and dry combine the mixture for one minute. Add clean water and the pre-mixed **Prechem SBR 5550** while the machine is running. To ensure complete dispersion into the sand cement mix, continue mixing for an additional three minutes. Any slight change to the amount of clean water is acceptable, but do not considerably go over the dosage indicated below. Mix ingredients until a homogeneous mixture is produced.

## **COVERAGE**

5-7 m<sup>2</sup>/Ltr/Coat as a clean bonding agent. The texture and porosity of the substrate affect the actual coverage. A dosage of 10 to 20% by weight of cement may be used as an additive for tile adhesives, bedding mortars, sand-cement renders, plasters, and screeds. For the best outcome, the recommended mix design should be followed if it is included in a mix design.

## **PACKAGING**

**Prechem SBR 5550** is available in the following packaging:

1 LTR Bottle.

4 LTR Bottle.

## **PRESERVATION**

**Prechem SBR 5550** is protected from fungal and bacterial attack. The material must be retreated as normal with the appropriate biocides during the production of the completed product to ensure improved preservation.

## **SHELF LIFE**

12 months after the date of production when kept in the original, undamaged packaging and kept in a warehouse environment. Extreme humidity and temperature may shorten shelf life.

## **HEALTH & SAFETY**

**Prechem SBR 5550** is thought to be safe for shipment. Avoid reusing bags or containers, and dispose of them in accordance with local laws. During application, gloves and the appropriate masks can be worn. For more details on the product's health and safety, please consult the MSDS.



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