

SOPRA BOND SBR

Description

SOPRA Bond SBR is a latex-based, water-resistant bonding agent and admixture for use in areas subject to humidity, dampness and continuous water contact. Improves water resistance of cement mixtures by forming a reinforcing polymer that increases long term durability and flexibility of the mix on renderings and floor screeds.

Recommended Uses

SOPRA Bond SBR is ideally designed for use in the following applications:

- As an admixture for mortar/screeds/renderers.
- As a bonding agent for screeds/renderers.
- As a primer/sealer in tiling applications.
- As an enhancer for cementitious-based tile adhesive.
- Is not affected by wet conditions, therefore recommended for exterior use.

Features and benefits

- Greatly improved adhesion to a wide range of substrates including dense concrete, steel, etc.
- Mixes may be applied in much thinner sections.
- Excellent resistance to water and water vapour.
- A high level of resistance to salt permeation.
- Much improved toughness and flexibility.
- Reduced surface dusting of concrete.
- Greatly improved resistance to many chemicals.
- Reduced w:c ratio for equivalent workability.
- Improved frost resistance.
- Freeze thaw stable.

Standards Compliance

SOPRA Bond SBR complies with ASTM C932 & ASTM C1059-99, Type 1 and 2.

Packaging

SOPRA Bond SBR is available in 1, 5, 20 and 200 Liters.

Storage

SOPRA Bond SBR has a shelf life of 12 months. Store in temperatures between 5-30 °C.

Product data

SOPRA BOND SBR	
Solid content	40 - 45%
Viscosity	≥ 100 cPs
Freeze	Pass 4 cycles between (-10 to +25 °C)
Colour	White/ Creamy

Application Instructions

a) Surface preparation

The Substrate should be sound, clean and free from contamination. Surface laitance should be removed by scrubbing or grit blasting. Exposed steel should be repaired before using **SOPRA Bond SBR** as a primer between batches.

b) Mix

SOPRA Bond SBR should be added and mixed with the clean water prior to dry materials for improved mixture.

Mixing **SOPRA Bond SBR** with mortar or screed should be done using a power mixer, prior to the SBR addition to the mix, it is recommended to pre-mix the dry materials alone. The mixing ratio is shown in the table below.

	Bonding agent	Waterproofing Add.
Cement	3	3
Sand	6	6
Sopra SBR	0.5	1
Water	As required	As required
Gravel	If needed (2)	If needed (2)

- ❖ This recommendation depends on the cement, sand and aggregate type.

c) Application

- PRIMING:

Application of a primer coat is necessary to obtain maximum adhesion of the topping or screed.

SELECTION OF MATERIALS:

To obtain maximum performance from mixes modified with **SOPRA Bond SBR** it is important that attention is paid to the quality of the other materials used. Sand should be well washed and sharp. The grade of sand will depend upon the mix design. Portland Cement, high alumina and sulphate-resisting cements are compatible with **SOPRA Bond SBR**. Portland Cement should be fresh but cool. Cement containing air-set lumps should not be used. Coarse aggregate, e.g., granite chippings, should be dust free. Air entraining agents should not be used. POT LIFE The mix has a pot life of approximately 30 minutes and batch size should be calculated accordingly.

- APPLICATION

1. Apply topping or screed onto wet or tacky primer. Compact and level with screed bar. Finish with steel float. It is essential that the topping or screed is finished as the work proceeds.
2. The topping or screed should be cured for 1 - 2 days using conventional techniques. Curing should be started quickly after application.

d) CLEANING OF TOOLS

Tools and application equipment should be cleaned with water immediately after use. Hardened material can only be mechanically removed.

Precautions

SOPRA BOND SBR is non-hazardous material. It should not be swallowed or come in direct contact with skin or eyes. Suitable protective glasses and gloves should be worn during application. In the case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice if irritation occurs. When contact with skin occurs, wash off immediately with clean water and soap. If swallowed, seek medical emergency immediately, do not induce vomiting.

Technical Support

Sopra provides on-site assistance and consultation services on projects if required. Technical Datasheets on other **Sopra** products and guidance on their use are available on request or on our website.

Warranty

The information relating to the application and end-use of **Sopra** products, are provided in good faith based on **Sopra's** current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with **Sopra** recommendations. In practice, the differences in substrates and actual site conditions are such that no warranty in respect of sale for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must do their test to ensure that the product is suitability for the intended application and purpose. The company reserves the right to change the properties of its products without prior notice.