

SURFASFIX™ SBR Bond

SURFASFIX™ SBR is a white coloured Styrene-Butadiene Co-polymer Latex designed for use as a Bonding Aid and a Waterproofing additive with Cement compositions. **SURFASFIX™ SBR** is used in concrete repairs, rendering, concrete protection, waterproofing and tanking. **SURFASFIX™ SBR** is used to produce modified mortars which are durable and have a high abrasion resistance. The pure polymers used in **SURFASFIX™ SBR** react with cement based mixes, increasing the compressive, flexural and bonding strengths of the mix. Using **SURFASFIX™ SBR** in the mix also increases the wearing and abrasion resistance of the screed or mortar.

- Increases the flexural strength of screeds and mortar
- Increases the compressive strength of screeds and mortar
- Increases the abrasion resistance of screeds and mortar
- Excellent adhesion to steel, glass, asphalt
- Suitable for use with drinking water
- Suitable for both positive and negative water pressure applications
- Environmentally friendly, non-toxic and chloride free

Specification Tip for Design Professionals

SURFASFIX™ SBR may be specified by name or by using the following description: a propriety white coloured Styrene-Butadiene Co-polymer Latex liquid bonding-aid and admixture used to increase the physical and chemical properties of cement-based mortars and concrete.

Field Of Application

SURFASFIX™ SBR can be mixed with cement as a bonding slurry for screeds, renders and mortars. The improvements allow the production of high-strength wearing screeds, thin section screeds, repair mortars and waterproof mortars.

Substrate & Preparation

All surfaces onto which **SURFASFIX™ SBR** modified mixes are to be applied should be sound and free from loose particles, dust, clean and free from coatings or any other contaminants which may effect the adhesion of the screeds and mortars.

Mix Instructions

SURFASFIX™ SBR Bonding Aid : May be used neat, or mix 1 part **SURFASFIX™ SBR** with 1 part Portland Cement.

SURFASFIX™ SBR Screed / Mortar: Use **SURFASFIX™ SBR** at the rate of 5litres per 25kg of Ordinary Portland Cement.

Application

Mix should always be designed in consultation with the SMET technical team: call UK +44 (0)28 3026 6833. Stir well before use. After correct preparation surfaces should be damped-down with clean potable water prior to application of the **SURFASFIX™ SBR** Bonding Aid.

- Using a soft brush apply a layer of the Bonding Aid to the prepared area working the solution in well.
- Using a trowel slightly compact the **SURFASFIX™ SBR** Modified Screed or Mortar into place whilst the **SURFASFIX™ SBR** Bonding Aid is still tacky.
- Use a wooden float or a steel trowel to achieve the required finish.

Curing: Mist cure with clean potable water until fully cured.

Restrictions

Note: **SURFASFIX™ SBR** Modified Screeds/ Motars should be protected from rain for at least 24 hours after application. **SBR** Modified Motars should not be applied if the temperature is 5°C or below or are expected to fall below 5°C in the following 24 hours. During application the temperature must not drop below +5°C or rise above +30°C. Variations in cement used and workability can cause differences.

Coverage

Coverage: 3m² per litre – Bonding Aid.

Consumption: 5 litres per 25kg of Cement – Screeds and Mortars.

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Cleaning

Once dried, **SURFASFIX™ SBR** is difficult to remove, thus care should be taken to clean tools quickly before hardening, using cold clean water.

Packaging

SURFASFIX™ SBR is packed in 5ltr and 25ltr containers

Storage

SURFASFIX™ SBR should be stored in its original manufacturers containers in dry conditions above 5°C and protected from frost.

Disposal Considerations

13.1. Waste treatment methods. General information. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. When handling waste, the safety precautions applying to handling of the product should be considered. Disposal methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Safety

All standard precautions for the handling of construction materials/chemicals must be taken. See **SURFASFIX™ SBR Safety Data Sheet** for further detailed information.

Classification of the substance or mixture: Classification (EC 1272/2008). Label elements: Hazard statements: EUH208 Contains Tetrahydro-1,3,4,6-tetakis(hydroxymethyl)imidazo(4,5-d)imidazole- 2,5(1H,3H)-dione, METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

Precautionary statements

P261 Avoid breathing gas, fume, vapours or spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/ attention.

EUH210 Safety data sheet available on request. Supplementary precautionary statements

P404 Store in a closed container.

P501 Dispose of contents/ container in accordance with regional regulations.

Technical Information

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| Form | White Liquid |
| pH | 8 - 10.0 ISO976* |
| Total Solids Content | 47.5% - 49.5% ISO3251* |
| Viscosity | 40-50 cps |
| Storage | Between 5 and 35°C, in a dry, area away from direct sunlight. Protect from frost. |
| Mixing | Mix should always be designed in consultation with the SMET technical team. Call: +44 (0)28 3026 683 |
| Flash Point | Non Combustible |
| Shelf Life | 12 months in original, unopened package |

* internal method based upon the specified norm.