

## vebroscreeed SBR

10.0 – >75.0 mm

vebroscreeed SBR is a single component, modified, styrene butadiene liquid additive and bonding agent designed to enhance both the physical and chemical properties of cementitious mortars.

vebroscreeed SBR is both water repellent and resistant to water ingress - including from frost. The product promotes adhesion to building surfaces and enables installation of thin-section, high strength and high performance mortars.

vebroscreeed SBR is supplied as a single component white liquid. Typical application depth is minimum 10.0 mm to 75.0 mm+ where required.

### Features

- ✓ Concrete colour, variable texture according to mix design and applied finish
- ✓ Resistant to water, frost and chemicals
- ✓ Improves resistance to freeze / thaw cycling
- ✓ Improves wear resistance
- ✓ Increases compressive and flexural strength
- ✓ Reduces compressive modulus
- ✓ Reduces permeability or renders impermeable to liquid water according to the mix design
- ✓ Reduces shrinkage and water demand, aiding early drying

### Applications

- ✓ Floor screeds
- ✓ Concrete repair
- ✓ Slurry or levelling coats
- ✓ Heavy duty floor toppings
- ✓ Bedding and bonding mortars

## typical vebroscreeed SBR mix designs

	Standard Duty	Heavy Duty
Portland Cement (CEM II 42.5)	50.0 kg	50.0 kg
0/4 mm screeding sand	200.0 kg	150.0 kg
6.0 mm granite chips	-	50.0 kg
vebroscreeed SBR	10.0 ltr	10.0 ltr
Clean water	up to 8 ltr	up to 8 ltr
Yield per mix	0.1 m <sup>3</sup> (approx)	0.1 m <sup>3</sup> (approx)

## Technical Profile

	Standard Duty	Heavy Duty
<b>Minimum thickness (bonded application)</b>	10.0 mm	25.0 mm
<b>Compressive Strength</b>	1 day: >20 N/mm <sup>2</sup> 7 days: >32 N/mm <sup>2</sup> 28 days: >45 N/mm <sup>2</sup>	1 day: >20 N/mm <sup>2</sup> 7 days: >37 N/mm <sup>2</sup> 28 days: >47 N/mm <sup>2</sup>
<b>Flexural Strength</b>	7 days: ≥6 N/mm <sup>2</sup> 28 days: ≥9 N/mm <sup>2</sup>	7 days: ≥6 N/mm <sup>2</sup> 28 days: ≥9 N/mm <sup>2</sup>
<b>Tensile Strength</b>	7 days: ≥2.5 N/mm <sup>2</sup> 28 days: ≥3.5 N/mm <sup>2</sup>	7 days: ≥3 N/mm <sup>2</sup> 28 days: ≥3.7 N/mm <sup>2</sup>

The typical physical properties given above are derived from testing in a controlled laboratory environment with the correct water ratios. Results derived from testing field applied samples may vary dependent upon site conditions. Maximum laboratory strengths are achieved by casting and curing cubes in ideal working conditions; site strengths will be lower.

Mortars containing **vebroscreeed** SBR should be used within the same time scale as conventional mortars; **vebroscreeed** SBR does not act as an accelerator or retarder. In warm conditions **vebroscreeed** SBR modified mortars may achieve a false set on the surface as a result of the polymer film drying. Reworking the mortars without the use of extra liquid will overcome this.

**vebroscreeed** SBR mortars and primers will remain workable for 30-45 minutes depending on material and ambient temperature. In warm conditions this time may reduce.

**vebroscreeed** SBR can be used in most weather conditions and in wide temperature range, from 3°C and rising to 25°C and above. At high ambient temperature the working time will reduce; it will increase at lower temperatures.

For standard applications **vebroscreeed** SBR is used with cement, sand and water or with cement, sand, aggregate and water. The mix design is determined by the application and standard mixes are contained in this data sheet.

Installation of Vebro Polymers' products should be carried out by an applicator with documented quality assurance and experience.

Vebro Polymers' systems and products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request. For more information, please refer to individual product data sheets or contact our Technical Services team – [technical@vebropolymers.com](mailto:technical@vebropolymers.com)

All data values and suggested practises listed on system data sheets are approximate and for representation purposes only. In all instances, prior to installation a project-specific specification and / or professional advice should be sought.

Vebro Polymers accepts no responsibility for liability claims based on the suggested practises and data values listed on system data sheets. System Data Sheets are regularly updated and it is the user's responsibility to ensure they obtain the most recent version. The most recent versions can be found at [www.vebropolymers.com](http://www.vebropolymers.com)

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