

# DATASHEET 16.01

# RONASCREED

# SBR

Admixture for thin bonded screeds

## FEATURES

 <p><b>Polymer admixture</b></p>	 <p><b>Bonded screeds from 10mm</b></p>	 <p><b>Open to foot traffic next day</b></p>
 <p><b>Open to heavy traffic after 3 – 5 days</b></p>	 <p><b>Enhanced physical properties</b></p>	 <p><b>Excellent wear resistance</b></p>
 <p><b>Lay flooring over 50mm screeds after only 10 days</b></p>		

RonaScreed SBR screeds and toppings may be laid bonded as thin as 10mm. The cured mortar bonds securely to suitably prepared and primed surfaces and is water resistant. Bonded screeds are primed with a mixture of RonaScreed SBR and cement, which achieves monolithic adhesion to correctly prepared concrete or screeds of adequate strength for adhesion of a high strength topping.

The mix design for each is RonaScreed SBR admixture, cement, medium grade sharp sand, aggregate as determined by the mix design, plus water. The components are measured by weight or by volume (batch boxes only) on site and mixed using forced action mixer.



## SPECIFICATIONS

Mix Design 1	
Portland cement (CEM II 42.5)	50kg
0/4mm screeding sand	200kg
RonaScreed SBR	10 litres
Clean water*	up to 8 litres
Yield per mix	0.1m <sup>3</sup> (approx.)

Physical Properties	
Compressive strength 1 day	> 20.0N/mm <sup>2</sup>
Compressive strength 7 days	> 32.0N/mm <sup>2</sup>
Compressive strength 28 days	> 45.0N/mm <sup>2</sup>
Flexural strength 7 days	≥ 6.0N/mm <sup>2</sup>
Flexural strength 28 days	≥ 9.0N/mm <sup>2</sup>
Tensile strength 7 days	≥ 2.5N/mm <sup>2</sup>
Tensile strength 28 days	≥ 3.5N/mm <sup>2</sup>

Minimum thickness	
Bonded	10mm

Mix Design 2	
Portland cement (CEM II 42.5)	50kg
0/4mm screeding sand	100kg
2-5mm granite chips	100kg
RonaScreed SBR	10 litres
Clean water*	up to 8 litres
Yield per mix	0.1m <sup>3</sup> (approx.)

Physical Properties	
Compressive strength 1 day	> 20.0N/mm <sup>2</sup>
Compressive strength 7 days	> 37.0N/mm <sup>2</sup>
Compressive strength 28 days	> 47.0N/mm <sup>2</sup>
Flexural strength 7 days	≥ 6.0N/mm <sup>2</sup>
Flexural strength 28 days	≥ 9.0N/mm <sup>2</sup>
Tensile strength 7 days	≥ 3.0N/mm <sup>2</sup>
Tensile strength 28 days	≥ 3.7N/mm <sup>2</sup>

Minimum thickness	
Bonded	25mm

## USING THE SURFACE

RonaScreed SBR screeds and toppings can typically receive foot traffic after 24 hours and heavy traffic after 3-5 days at 20°C. Allow more time in cold conditions.

## DRYING

Floor finishes, including resilient flooring, tiles and resin coatings/ screeds may typically be laid after 10 days air curing at 50mm thickness, 20°C and 60-65% relative humidity. Measure screed RH with a hygrometer in accordance BS 8203 A.2.1 Insulated impermeable box. Low temperature, high humidity, increased screed thickness and changing the mix design will delay drying.

If the screed is covered with a curing membrane such as polythene, then the drying time starts when the membrane is removed. The relative humidity (RH) at the surface of the screed should be measured with a hygrometer before proceeding to lay floor coverings. Standard practices should be followed.

## WORKING TEMPERATURES

RonaScreed SBR screeds can be used in most weather conditions and in a wide temperature range, typically from +3°C to 25°C and above.

Note that at high ambient temperatures the working time of the mix will be reduced; it will be increased at lower temperatures.

## PACKAGING

RonaScreed SBR is supplied in 5 litre, 25 litre, 210 litre and 1,000 litre units.

## SHELF LIFE AND STORAGE

Shelf life in unopened containers is 6 months. Store in a cool dry place and out of direct sunlight. Protect from frost.

## How to contact us:

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**For more information please refer to technical data sheet.**

The information detailed in this leaflet is liable to modification from time to time in the light of experience and of normal product application, and before using, customers are advised to check with Ronacrete Ltd, quoting the reference number, that they possess the latest issue. Any person or company using the product without first making further enquiries as to the suitability of the product for the intended use does so at his own risk, and Ronacrete Ltd can accept no responsibility for the performance of the product, or for any loss or damage arising out of such use.