










# DATASHEET 17.01

# RONASCREED

# MORTAR

Rapid strength gain low temperature floor screed

## FEATURES

 <p><b>Rapid strength gain floor screed</b></p>	 <p><b>Bonded screeds from 6mm</b></p>	 <p><b>Open to foot traffic after only 12 hours</b></p>
 <p><b>Open to heavy traffic after 24 hours</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 2-3 days</b></p>	 <p><b>Water resistant</b></p>	 <p><b>Frost resistant</b></p>

## SPECIFICATIONS

Physical Properties	
Compressive strength 12 hours	> 25.0N/mm <sup>2</sup>
Compressive strength 1 day	> 35.0N/mm <sup>2</sup>
Compressive strength 28 days	> 45.0N/mm <sup>2</sup>
Flexural strength 9 hours	≥ 3.0N/mm <sup>2</sup>
Flexural strength 1 day	≥ 7.0N/mm <sup>2</sup>
Flexural strength 7 days	≥ 12.5N/mm <sup>2</sup>
Flexural strength 28 days	≥ 13N/mm <sup>2</sup>
Tensile strength 9 hours	≥ 1.0N/mm <sup>2</sup>
Tensile strength 1 day	≥ 3.0N/mm <sup>2</sup>
Tensile strength 7 days	≥ 4.0N/mm <sup>2</sup>
Tensile strength 28 days	≥ 4.5N/mm <sup>2</sup>

Minimum thickness	
Bonded	6mm
Unbonded	35mm
Floating	35mm

RonaScreed Mortar is a rapid strength gain mortar for laying floor screeds, repairing floor surfaces and rapid set bedding applications for bricks, blocks, kerbs and other compatible building components. RonaScreed Mortar is used where speed of strength gain and/or rapid reduction of residual moisture and humidity are of importance. Industrial, commercial and residential floors laid or repaired with RonaScreed Mortar can be fully trafficked as early as 12 hours after mixing.

RonaScreed Mortar offers rapid strength gain and is capable of achieving 28 day strengths within 24 hours. RonaScreed Mortar may be applied at minimum temperatures of 0°C, permitting exterior application during cold weather and application in cold stores.



## USING THE SURFACE

RonaScreed Mortar can be trafficked by foot as early as 12 hours after laying and by heavy vehicles after 24 hours (at 20°C.). This time may vary according to temperature and other site conditions.

## DRYING

Floor finishes, including resilient flooring, tiles and resin coatings/ screeds may typically be laid after 2-3 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 Mortar can be used in most weather conditions and in a wide temperature range, from 0°C to 25°C. At high ambient temperature the working time of the mix will be reduced; it will be increased at lower temperatures. Care must be taken when using

them at low temperatures to ensure that the water used for damping (and the primer) does not freeze on contact with the substrate. In very low temperatures for additional speed warmed gauging liquid may be used for mixing.

## PACKAGING

RonaScreed Mortar is supplied in 25kg packs.

## 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:

You can contact the Ronacrete office directly on **01279 638700**

Alternatively, you can email us using the email addresses.

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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.