

DATASHEET 15.01

RONAFIX

FOR SCREEDS



Admixture for thin bonded, floating & unbonded screeds and toppings

FEATURES

<p>Polymer admixture</p>	<p>Bonded screeds from 10mm</p>	<p>Unbonded and floating screeds from 35mm</p>
<p>Open to foot traffic next day</p>	<p>Open to heavy traffic after 3 – 5 days</p>	<p>Enhanced physical properties</p>
<p>Excellent wear resistance – mixes A, B & B1</p>	<p>Lay flooring over 50mm screeds after only 10 days</p>	<p>Compatible with underfloor heating systems</p>

Ronafix admixture increases the physical properties of screeds and toppings, allowing screeds to be laid thinner than conventional screeds. Ronafix is used to lay new screeds and toppings as thin as 10mm bonded or 35mm unbonded or floating. The cured mortar bonds securely to suitably prepared surfaces and is water resistant. The mix design for each is Ronafix admixture, cement, medium grade sharp sand, aggregate as determined by the mix design, plus water. The components are measured by weight or by volume (using batch boxes only) on site and mixed to form the screed. Bonded screeds are used with a primer of Ronafix and cement which achieves monolithic adhesion to correctly prepared and sufficiently strong concrete.



SPECIFICATIONS

Mix Design A - Wearing screed	
Portland cement (CEM II 42.5)	50kg
0/4mm screeding sand	125kg
Ronafix admixture	9 litres
Clean water*	up to 9 litres
Yield per mix	0.1m ³ (approx.)

Physical Properties	
Compressive strength 1 day	> 30.0N/mm ²
Compressive strength 7 days	> 45.0N/mm ²
Compressive strength 28 days	> 55.0N/mm ²
Flexural strength 7 days	≥ 12.0N/mm ²
Flexural strength 28 days	≥ 15.0N/mm ²
Tensile strength 7 days	≥ 4.5N/mm ²
Tensile strength 28 days	≥ 6.0N/mm ²

Minimum thickness	
Bonded	10mm
Unbonded	35mm
Floating	35mm

Mix Design A1 - Levelling screed	
Portland cement (CEM II 42.5)	50kg
0/4mm screeding sand	150kg
Ronafix admixture	4.5 litres
Clean water*	up to 14 litres
Yield per mix	0.1m ³ (approx.)

Physical Properties	
Compressive strength 1 day	> 15.0N/mm ²
Compressive strength 7 days	> 30.0N/mm ²
Compressive strength 28 days	> 40.0N/mm ²
Flexural strength 7 days	≥ 7.0N/mm ²
Flexural strength 28 days	≥ 9.0N/mm ²
Tensile strength 7 days	≥ 3.0N/mm ²
Tensile strength 28 days	≥ 4.0N/mm ²

Minimum thickness	
Bonded	25mm
Unbonded	35mm
Floating	35mm

SPECIFICATIONS

Mix Design B - Granolithic wearing screed

Portland cement (CEM II 42.5)	50kg
0/4mm screeding sand	75kg
3-6mm granite chips	75kg
Ronafix admixture	9 litres
Clean water*	up to 9 litres
Yield per mix	0.1m ³ (approx.)

Physical Properties

Compressive strength 1 day	> 30.0N/mm ²
Compressive strength 7 days	> 50.0N/mm ²
Compressive strength 28 days	> 60.0N/mm ²
Flexural strength 7 days	> 9.0N/mm ²
Flexural strength 28 days	> 10.0N/mm ²
Tensile strength 7 days	> 5.0N/mm ²
Tensile strength 28 days	> 6.0N/mm ²

Minimum thickness

Bonded	15mm
Unbonded	35mm
Floating	35mm

Mix Design B1 - Granolithic wearing screed

Portland cement (CEM II 42.5)	50kg
0/4mm screeding sand	75kg
3-6mm granite chips	75kg
Ronafix admixture	9 litres
Clean water*	up to 9 litres
Yield per mix	0.1m ³ (approx.)

Physical Properties

Compressive strength 1 day	> 30.0N/mm ²
Compressive strength 7 days	> 50.0N/mm ²
Compressive strength 28 days	> 60.0N/mm ²
Flexural strength 7 days	> 9.0N/mm ²
Flexural strength 28 days	> 10.0N/mm ²
Tensile strength 7 days	> 5.0N/mm ²
Tensile strength 28 days	> 6.0N/mm ²

Minimum thickness

Bonded	15mm
Unbonded	35mm
Floating	35mm

Mix Design F - Floating levelling screed

Portland cement (CEM II 42.5)	50kg
0/4mm screeding sand	150kg
Ronafix admixture	4.5 litres
Clean water*	up to 14 litres
Yield per mix	0.1m ³ (approx.)

Physical Properties

Compressive strength 1 day	> 15.0N/mm ²
Compressive strength 7 days	> 30.0N/mm ²
Compressive strength 28 days	> 40.0N/mm ²
Flexural strength 7 days	≥ 7.0N/mm ²
Flexural strength 28 days	≥ 9.0N/mm ²
Tensile strength 7 days	≥ 3.0N/mm ²
Tensile strength 28 days	≥ 4.0N/mm ²

Minimum thickness

Floating	35mm
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Mix Design G - Fine concrete levelling screed

Portland cement (CEM II 42.5)	50kg
0/4mm screeding sand	100kg
5-10mm pea shingle	100kg
Ronafix admixture	4.5 litres
Clean water*	up to 14 litres
Yield per mix	0.14m ³ (approx.)

Physical Properties

Compressive strength 1 day	> 20.0N/mm ²
Compressive strength 7 days	> 40.0N/mm ²
Compressive strength 28 days	> 50.0N/mm ²
Flexural strength 7 days	≥ 17.0N/mm ²
Flexural strength 28 days	≥ 18.0N/mm ²
Tensile strength 7 days	≥ 4.5N/mm ²
Tensile strength 28 days	≥ 6.0N/mm ²

Minimum thickness

Bonded	25mm
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USING THE SURFACE

Ronafix screeds, toppings and repairs 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

Ronafix 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

Ronafix 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.