









DATASHEET 8.01

RONASCREENED

1 DAY OVERLAY

Cement replacement for ultra-rapid drying screeds

FEATURES

 <p>Lay most floorings after only 1 day at 75mm thickness plus</p>	 <p>Lay most floorings after 36 hours less than at 75mm screed thickness</p>	 <p>Open to foot traffic next day</p>
 <p>Early commissioning of underfloor heating</p>	 <p>BRE screed test Category A</p>	 <p>Quality Cement replacement</p>
 <p>Apply from 25mm</p>	 <p>No license required</p>	

RonaScreed 1 Day Overlay is a cement replacement used to quickly reduce the level of retained moisture within site batched screeds. This allows floor coverings to be laid much sooner than with conventional screeds. Rapid strength gain permits light foot traffic after 6 hours.

Drying of screeds incorporating RonaScreed 1 Day Overlay is influenced by heat generated during curing, meaning drying of thicker screeds is faster per millimetre of screed thickness. Screeds installed at 50mm thickness can accept moisture sensitive floor coverings which require 75% surface RH before laying after only 36 hours. Screeds laid at 75mm thickness or greater can accept the same coverings after only 1 day.



SPECIFICATIONS

Mix Design – Medium to Heavy Duty

RonaScreed 1 Day Overlay	20kg
Medium grade sharp sand	80kg
Water*	Add to achieve workability
Yield per mix	0.048 m ³
Minimum thickness	25mm

Mix Design – Heavy Duty

RonaScreed 1 Day Overlay	20kg
Medium grade sharp sand	40kg
5-10mm aggregate	40kg
Water*	Add to achieve workability
Yield per mix	0.048 m ³
Minimum thickness	40mm

* Note that water addition will depend on aggregate water content.

Drying Comparison

Screed Type	50mm	75mm	100mm
RonaScreed 1 Day Overlay	36 hours	1 day	1 day
Standard sand and cement	50 days	100 days	175 days

See drying on reverse.

Physical Properties

Compressive strength 1 day	25N/mm ²
Compressive strength 28 days	44N/mm ²
Flexural strength 1 day	9N/mm ²
Flexural strength 28 days	12N/mm ²
Tensile strength 1 day	1.4N/mm ²
Tensile strength 28 days	3.6N/mm ²

Minimum thickness

Bonded (light duty)	25mm
Bonded (heavy duty)	40mm
Unbonded	50mm
Floating (light duty)	65mm
Floating (heavy duty)	75mm

DRYING

The drying data is based on drying at 20°C and 65% relative humidity. Low temperature, high humidity, increased screed thickness and changing the mix design will delay drying. Covering RonaScreed FastDry Ultra-Rapid screeds is uncommon but 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 (as BS 8203 A.2.1 Insulated impermeable box) before proceeding to lay floor coverings. Standard practices should be followed.

USES

RonaScreed 1 Day Overlay screeds can be laid either bonded, unbonded or floating, determined by the substrate type. Bonded screeds must be laid on to a suitably prepared substrate

(concrete slabs or existing screed). Unbonded screeds are those laid on a separating layer or preformed damp proof membrane. Floating screeds are those laid on to insulation boards or acoustic layers.

PACKAGING

RonaScreed 1 Day Overlay is supplied in 20kg bags.

SHELF LIFE AND STORAGE

Shelf life in unopened containers is 9 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.