

Ronafix Pre-packed Floating Screed 35mm+

Pre-packed polymer modified floating screed



FEATURES

- factory packed for consistent high quality
- minimum screed thickness from 35mm
- may be used with underfloor heating systems
- high early strength and fast drying allows earlier commissioning of heating systems
- minimum screed thickness from 40mm with 16mm heating pipes
- requires only 20mm cover over heating pipes
- ready for foot traffic after 24 hours
- rapid drying—can receive floor coverings such as vinyl, tiles and carpet after 10 days @ 50mm thick
- excellent resistance to passage of water and water vapour

Description

Ronafix Pre-packed Floating Screed 35mm+ is supplied as a pre-packed, two component, ready to use mortar for laying floor screeds on insulation boards. Ronafix Pre-packed Floating Screed 35mm+ is supplied complete with all the correct dry components in a bag and a bottle of polymer gauging liquid.

Uses

Ronafix Pre-packed Floating Screed 35mm+ is used to lay minimum 35mm floating screeds for residential applications. Screed thickness should be increased for medium to heavy duty use, The screed is resistant to water, frost, and medium to heavy wear when covered with a suitable flooring.

Physical properties

Note that the following data is based on laboratory tests conducted at 20°C. Cubes, tested at 28 days, are 100mm and air cured. Results shown are typical laboratory strengths achieved by casting and curing cubes in ideal working conditions; site strengths will be lower.

Typical Compressive Strength

1 day	> 15N/mm ²
7 days	> 30N/mm ²
28 days	> 40N/mm ²

Typical Tensile Strength

7 days	≥ 3.0N/mm ²
28 days	≥ 4.0N/mm ²

Typical Flexural Strength

7 days	≥ 7.0N/mm ²
28 days	≥ 9.0N/mm ²

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Performance data

Commissioning time @ 40mm thickness (time to achieve 75% RH at surface of screed)	7 days @ 20°C
Foot traffic @ 20°C	24 hours
Application thickness (min / max)	40mm / 100mm+
Shrinkage @ 28 days	< 0.02% linear

Yield

A 25kg pack will yield approximately 0.011m³ or 1m² per 11mm of thickness.

Instructions for Use

Preparation

The insulation on which the Ronafix Pre-packed Floating Screed 35mm+ is being placed must be suitable for floating floor screeds and for the thickness of screed to be laid; increased board strength may be required to compensate for greater load transmission through a thinner screed.

Joints

Isolation joints should be installed around the perimeter of the floor, in doorways and around columns, manholes and other fixed elements. Bay proportions should preferably be between 1:1 and 1.5:1 and should not exceed 2:1 length to width ratio, to limit uneven curing stresses. Where separate heating zones occur within the same floor area, a joint must be positioned in the screed between the zones.

Mixing

Ronafix Pre-packed Floating Screed 35mm+ must be mixed by forced action mixer such as a Baron or CreteAngle mixer. Free fall mixers must not be used. Mix for approximately 3 minutes. Once mixed the mortar should be used as quickly as possible.

Placing

As soon as the mortar is mixed, it should be placed onto the substrate, fully compacted, ruled and closed with a float or trowel. Avoid overworking the surface, this will increase the tackiness of the mortar. The float should be regularly washed, to prevent build up of polymer/cement paste. Screeds with an overall thickness greater than 50mm approximately, may be placed wet on wet in two layers of approximately equal thickness, to ensure good compaction. To ensure satisfactory adhesion the lower layer should be raked to provide a key for the next layer. Should an intermediate layer begin to harden, a priming coat must be applied before application of the next layer.

Curing

Curing must commence as soon as possible after finishing the screed. Cure the screed with tight fitting polythene, applied as early as it is possible to do so without damaging the surface. Cover for 24 hours then remove and air cure.

Working Temperatures

Ronafix Pre-packed Floating Screed 35mm+ can be used in most weather conditions and in a wide temperature range, typically from +3°C to 25°C.


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Traffic	Ronafix Pre-packed Floating Screed 35mm+ can receive foot traffic after 24-36 hours (typically at 20°C). This time will vary according to temperature, amount of liquid added during mixing, air circulation and general conditions.
Drying Times	Drying times are dependent on screed thickness, ambient conditions, mixing, air circulation, substrate conditions and other variables. At 20°C & 60% humidity, Ronafix Pre-packed Floating Screed 35mm +will reach 75% RH after 10 days air curing at 50mm thickness. Measure RH with a hair hygrometer.
Contractors	Ronacrete Ltd maintains a list of approved contractors whose knowledge and experience may help to ensure a satisfactory outcome to the works. There are obvious advantages in selecting a contractor who has previous experience of the material but if requested the Ronacrete Technical Department will provide guidance and assistance to other contractors.
Packaging	Ronafix Pre-packed Floating Screed 35mm+ is supplied as a 2 component 25kg pack, including pre-blended powders and gauging liquid.
Shelf Life and Storage	Ronafix Pre-packed Floating Screed 35mm+ should be stored unopened between 5°C and 25°C in dry warehouse conditions and out of direct sunlight. In these conditions shelf life is approximately 6 months.
Health and Safety	Ronafix Pre-packed Floating Screed 35mm+ contains Portland cement; protective clothing, such as goggles, masks, overalls and gloves is recommended, to prevent any effect from prolonged skin contact, inhalation or ingestion. In the event of skin contact, wash with soap and water. Seek medical advice if irritation or pain occurs. In the event of eye contact, irrigate with plenty of clean water and seek immediate medical advice. In the event of ingestion, do not induce vomiting. Seek immediate medical advice.
Site Attendance	When on site Ronacrete representatives are able, if asked, to give a general indication of the correct method of installing a Ronacrete product. It is important to bear in mind that Ronacrete Ltd is a manufacturer and not an application contractor and it is therefore the responsibility of the contractor and his employer to ensure he is aware of and implements the correct practices and procedures to ensure the correct installation of the product and that liability for its correct installation lies with the contractor and not with Ronacrete Ltd.

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<p>Ronacrete Ltd, Flex Meadow, Harlow Essex, CM19 5TD, UK</p> <p>13</p>
<p>BS EN 13813</p> <p>Floor Screed</p>
<p>Product: Ronafix Pre-packed Floating Screed 35mm+ Reaction to Fire: A2-s1,d0 Release of Corrosive Substances: None Water Permeability: < 0.40kg / m² . min0.5 Compressive Strength: ≥ C40 Flexural Strength: ≥ F5 Wear Resistance BCA method: AR1 Release of Dangerous Substances: Refer to Safety Data Sheet</p>

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.