

RonaScreed Lightweight Screed

Pre-packed lightweight floor screed



FEATURES

- pre-packed factory blended mortar
- high performance
- ready for use on site
- factory control of components and mix design
- reduces loadings
- stronger than lytag screeds
- monolithic adhesion to building surfaces

Description

RonaScreed Lightweight Screed is supplied as a pre-packed, ready to use mortar for laying floor screeds. It is supplied complete with all the correct components in one pack, together with a bottle of polymer gauging liquid. It is used with Ronacrete Standard Primer which gives monolithic adhesion to all correctly prepared surfaces.

RonaScreed Lightweight Screed is used to lay new underlay screeds as thin as 12mm bonded or 50mm unbonded on suspended floors or roof decks, to reduce overall loadings. RonaScreed Lightweight Screed should not be used as a wearing surface but is suitable for light duty use when coated with a RonaFloor coating, For heavy duty use RonaScreed Lightweight Screed should be overlaid with a high strength topping such as Ronafix Mix A or B. The cured mortar bonds securely to suitably prepared surfaces and is water resistant.

Physical Properties

Compressive Strength

7 days 25N/mm²
28 days 29N/mm²

Flexural Strength

7 days 6.7N/mm²
28 days 7.5N/mm²

Tensile Strength

7 days 3.0N/mm²
28 days 3.2N/mm²

Density

1,450kg/m³

Note that all quoted data is based on laboratory tests conducted at 20°C. Cubes, tested at 28 days, are 100mm and air cured. Results shown are MAXIMUM

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Physical Properties (continued)

laboratory strengths achieved by casting and curing cubes in ideal working conditions; site strengths will be lower.

Instructions for Use

1. The substrate on which RonaScreed Lightweight Screed is being placed must be structurally sound and stable and suitable to receive a high strength topping. Surfaces should ideally be scabbled or mechanically abraded to expose the aggregate and provide a mechanical key. Remove traces of oil, grease and any other chemical contamination which may impair adhesion. Vacuum clean surfaces to remove debris and deleterious material.
2. The substrate must be sufficiently strong and sound to receive a high strength topping. Any defect or weakness in this substrate may result in failure of the topping placed in contact with it. The recommendations given in BS8204 Part 3 should be followed to assess the suitability of the substrate and maximise the performance of the topping.
3. The prepared surface must be thoroughly damped with clean water. Very porous surfaces may require soaking for up to 24 hours. All surplus and standing water must be removed before the primer is applied.
4. Ronacrete Standard Primer must be applied to the damp surface immediately before applying the mortar. Mix the primer thoroughly and apply evenly over the surface ensuring total and uniform coverage taking care to avoid ponding. Only prime an area of floor which can be covered by the mortar within the working time of the primer.
5. Note that the primer must be not allowed to dry. If it dries it must be thoroughly cross hatch scratched and reapplied.
6. RonaScreed Lightweight Screed provides optimum performance when machine mixed in a forced action mixer (eg. Creteangle pan mixer). Add approximately two thirds of the supplied gauging liquid into the mixer then add all of the dry powders and aggregates followed by all or most of the remaining gauging liquid to provide sufficient workability for compaction and surface finish.
7. As soon as the material is mixed place it onto the wet/tacky primer, compact, rule and close with a float or trowel. Avoid overworking the surface.
8. Thicknesses above 50mm must be placed monolithically (wet on wet) in more than one layer to ensure full compaction.
9. Each layer should be of approximately equal thickness. To ensure satisfactory adhesion between wet-on-wet layers the lower layer(s) must be raked or roughened to provide a key for the next layer.
10. Finish the final surface with a float or trowel as required. If applying an epoxy floor coating such RonaFloor EWB or HB, finish the surface with trowel to tightly close the surface.
11. To minimise the risk of shrinkage cracking and crazing cure the surface with Ronacrete Curing Membrane spray applied curing membrane as soon as possible after final trowelling.
12. RonaScreed Lightweight Screed can accommodate foot and light rubber wheeled vehicle traffic after 24 - 36 hours of laying and full use after 2-3 days (typically at 0°C).

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Working Temperatures

RonaScreed Lightweight Screed can be used in most weather conditions and in a wide temperature range, typically from +5°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. Ideally store materials between 10°C and 20°C before use.

Packaging

RonaScreed Lightweight Screed is supplied in 25kg packs.

Shelf Life and Storage

RonaScreed Lightweight Screed 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 9 months.

Health and Safety

RonaScreed Lightweight Screed is non-hazardous although protective clothing such as goggles, 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.

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.

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<p>Ronacrete Ltd, Flex Meadow, Harlow Essex, CM19 5TD, UK</p> <p>13 0836-CPR-13/F042 0836-CPR-13/F043</p>
<p>BS EN 934-2 BS EN 934-3 Concrete Admixture Masonry Mortar Admixture</p>
<p>Product: Ronafix Chloride ion content: $\leq 0.1\%$ Alkali Content: $\leq 0.5\%$ Dangerous Substances: None</p>

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