



Ronacrete
WORLD CLASS MANUFACTURER

Ronaset Transition Strip

Rapid strength gain cementitious transition strip mortar



FEATURES

- Factory produced pre-packed product for consistent high quality
- Cold weather working (min 0°C)
- Rapid strength gain
- Waterproof
- Frost proof
- Excellent wear resistance
- Excellent adhesion
- Application from 12mm thickness

Description

Ronaset Transition Strip is supplied as a pre-packed, two component, ready to use mortar. It is supplied complete with all the dry components in a bag and a bottle of gauging liquid.

Ronaset Transition Strip is a rapid strength gain mortar for forming transition strips and nosings on roads and bridges. It is used where speed of strength gain is important. Surfaces formed using Ronaset Transition Strip can be opened to vehicle traffic as early as 24 hours after mixing.

As well as offering rapid strength gain Ronaset Transition Strip is strong and durable and capable of achieving 28 day strengths of conventional mortars within hours. Its formulation also allows it to be applied at minimum temperatures of 0°C facilitating external work during cold weather.

Performance Properties

Compressive Strength	
1 day	40N/mm ²
3 days	45N/mm ²
7 days	50N/mm ²
28 days	55N/mm ²

All quoted data is based on tests conducted at 20°C. Results shown are typical strengths achieved by casting and curing cubes in laboratory conditions; site strengths will be lower.

Coverage

Coverage			
	Unit Size	Units per m ³	Yield per unit
Ronaset Transition Strip	25kg	105	9.5 litres
Ronacrete Rapid Primer	2kg 10kg	N/A	3 - 4m ² 15 - 20m ²

Flooring and Bedding

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Other Ranges—Resin Bound and Bonded Surfacing, Screeds, and Waterproofing & Tanking

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Instructions for use

Working Time

Ronaset Transition Strip is rapid hardening however can be machine mixed for large volume applications. The working time is approximately 20-40 minutes depending on temperature; after this time the material will lose workability and begin to harden.

Preparation

The substrate to which Ronaset Transition Strip is to be bonded must be structurally sound and stable. Minimum compressive strength should be 25N/mm² and minimum pull-off strength should be 0.8N/mm². Surfaces should ideally be vacuum shot blasted or similar to expose the aggregate and provide a mechanical key. All grease and oil must be removed. Dust, debris and loose material must be removed by vacuuming.

Any defect or weakness in the substrate may result in failure of the topping placed in contact with it. The recommendations given in BS8204-3: 2004 Part 7 should be followed, to assess the suitability of the substrate and maximise the performance of the topping.

The minimum thickness at which Ronaset Transition Strip can be placed is 12mm. Above 50mm it may be necessary to place the material in more than one layer, wet on wet to ensure satisfactory compaction.

Damping

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.

Priming

Ronacrete Rapid Primer must be applied to the damp surface immediately before applying the Ronaset Transition Strip. Mix the primer thoroughly and apply evenly over the surface, ensuring total and uniform coverage, taking care to avoid ponding. Only prime an area which can be covered by the topping within the working time of the primer. Note that the primer must not be allowed to dry. If it dries it must be thoroughly cross hatch scratched and reapplied.

Mixing

Ronaset Transition Strip is to be mixed in a forced action mixer (e.g. Baron or Creteangle), or minimum 1kW \leq 450RPM slow speed drill fitted with an MR4 type helical paddle for single pack mixes. Mix the dry components and when evenly dispersed add the minimum amount of the supplied liquid necessary to provide sufficient workability for compaction and surface finish.

When using an efficient mixer, a mixing time of 2-3 minutes is normally sufficient. Do not overwork the mix as this will entrain air and may affect performance. Once mixed the mortar should be used as quickly as possible.

Placing

As soon as the material is mixed, place it onto the wet/tacky primer. It should be well compacted, by mechanical means. A suitable sized square plate attached to a Kango or similar is acceptable. In areas where mechanical compaction proves inefficient, hand punning should be used to ensure good compaction. To reduce the possibility of minor spalling at the arris adjacent to the joint, a bull nose or bevelled detail is suggested.

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Instructions for Use (continued)

Some transverse cracking of the Ronaset Transition Strip may occur. This is not detrimental to the performance of the product. The cracking can be controlled by laying the material in 1 metre lengths using alternate bay casting or by incorporating a crack inducer. Small pieces of thermoplastic tile have been used for this purpose. Keep the top edge of the tile 15-20mm below the surface of the Ronaset Transition Strip to allow trowelling to continue without hindrance.

Curing

To minimise the risk of shrinkage cracking and crazing, cure the surface with Ronacrete Curing Membrane, or tight fitting polythene, as soon as possible after final trowelling.

Working Temperatures

Ronaset Transition Strip 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 Ronaset Transition Strip at low temperatures to ensure that the water used for damping does not freeze on contact with the substrate. In very low temperatures for additional speed warmed gauging liquid may be used for mixing. Similarly, exercise care at high temperatures to maintain damp working surfaces and avoid flash setting.

Packaging

Ronaset Transition Strip is supplied in 25kg units.

Shelf Life and Storage

Ronaset Transition Strip should be stored unopened between 5°C and 25°C in dry warehouse conditions away from direct heat and sunlight. Shelf life is approximately 9 months in unopened packaging.

Health and Safety

Refer to Safety Data Sheet

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.