

RonaDeck Stone Carpet

Resin bound aggregate system for decorative internal floor surfacing



FEATURES

- internal resin bound system
- natural aggregate finish
- quieter than other hard floorings
- warmer than other hard floorings
- more comfortable under foot than other hard floorings
- easily cleaned
- very durable
- UV stable resin will not yellow or darken
- anti-slip surface dressing available for wet areas

Description

RonaDeck Stone Carpet is a resin bound aggregate surface for pedestrians and for occasional use by light vehicles. It is used to create decorative and durable surfaces which are seamless and slightly flexible. The surfacing will withstand heavy footfall, light traffic from trolleys and even occasional powered vehicles. Noise from foot traffic is lower than for other hard floorings with noise being absorbed and baffled by the voids. Warm air in the voids makes the surfacing warmer than solid hard flooring and the slight “give” in the system provides a more comfortable experience for pedestrians.

RonaDeck Stone Carpet must be laid onto a sound, stable and solid base such as concrete.

Typical Applications

- Entertainment complexes
- Homes
- Hotels
- Leisure Centres
- Nightclubs
- Offices
- Public Buildings
- Schools and Colleges
- Shops
- Showrooms
- Sporting venues
- Supermarkets

Physical Properties

Minimum Thickness

Using 1—3mm aggregate
Using 2—4mm aggregate

8mm
10mm

Foot traffic after

24 hours @ 20°C

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Packaging	RonaDeck Stone Carpet Primer	4.5kg
	RonaDeck Stone Carpet Primer Scatter	25kg
	RonaDeck Stone Carpet Resin	4kg
	RonaDeck Stone Carpet Aggregate	25kg (2 bags per 4kg resin)
	Aluminium Oxide Anti-Slip	25kg
Coverage	RonaDeck Stone Carpet Primer	0.2kg/m ² approx. per coat
	RonaDeck Stone Carpet Primer Scatter	1-2kg per m ²
	Stone Carpet Resin and Aggregate	3.3—4.1m ² @ 8mm
		2.7—3.3m ² @ 10mm
	Aluminium Oxide Anti-Slip	0.2kg/m ²
Slip Resistance	All RonaDeck Stone Carpet aggregates have been tested for slip resistance in accordance with BS 8204-6:2008+A1:2010 Appendix B and have all achieved low risk of slip in both dry and wet conditions. The slip resistant values shown above were obtained in laboratory conditions. Results obtained on site may differ.	
Resin and Aggregate	The clear resin used for RonaDeck Stone Carpet will not yellow or darken after exposure to either natural light or the UV emitted by artificial lighting. Cheaper systems will yellow and darken, significantly affecting the appearance.	
Appearance	The performance and appearance of the finished surface is dependent on the aggregates, only correctly blended kiln-dried aggregates of sufficient crushing strength should be used. The RonaDeck Stone Carpet aggregate blends have been designed to achieve strength, wear resistance and decoration.	
Cleaning	Samples and materials supplied by Ronacrete are subject to the normal shade and grading variations associated with quarrying and processing of natural aggregates. Uniformity of colour and size of aggregate should not be expected and cannot be achieved. Where wheeled traffic is expected, darker aggregate blends are less likely to show tyre marks.	
Maintenance	RonaDeck Stone Carpet is easily cleaned with a standard vacuum cleaner and because dust settles into the voids below the surface, a clean appearance will be retained for a longer period. Liquid spill are removed with a wet & dry vacuum cleaner.	
	Impact damage or severe stress may cause “picking out” of some stones but is likely to be minimal and localised. Any major loss of stone should be reported. Localised damage may be repaired. Ageing and weathering of the original surfacing may prevent an invisible repair.	
Slip Resistance	Application of RonaDeck Stone Carpet Anti-Slip Aggregate will significantly increase the slip resistance of the surface in wet areas such as changing rooms, without substantial change to appearance and its use will help comply with Health and Safety obligations.	

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Contractors

RonaDeck Stone Carpet is a specialist product and must only be applied by specialist applicators known to Ronacrete, contractor names can be supplied on request. RonaDeck Stone carpet must only be applied by contractors who can demonstrate that they possess the necessary skills and experience.

Instructions for Use

Substrate Requirements

Only apply to a suitable substrate which is capable of supporting and restraining the RonaDeck Stone Carpet. The best substrate is a well designed, constructed and prepared concrete or screed that achieves a tensile pull off strength no lower than 1.5N/mm². Application to any other surface is likely to result in early failure. If you are unsure of the substrate and its ability to receive RonaDeck Stone Carpet, do not proceed until advice has been taken. RonaDeck Stone Carpet is a thin layer of 8mm minimum thickness or more, depending on the aggregate size. It may therefore mirror and reflect any surface unevenness. Substrates should therefore be levelled or smoothed as required, using the appropriate Ronacrete levelling medium, to ensure that the required finish is achieved.

Preparation and Priming of Substrate

1. Remove any laitance and provide a light surface texture
2. Ensure the substrate is clean and dry.
3. RonaDeck Stone Carpet Primer is a two part system.
4. Pour the contents of Part B into the Part A bucket and mix with a slow speed drill ($\leq 450\text{RPM}$) and MR2 paddle mixer attachment for 3 minutes
5. Apply a uniform coat by roller to the substrate at the rate of 0.2kg per m² and immediately scatter with 16/30 kiln-dried sand at approximately 1—2kg per m². This provides a key for laying RonaDeck Stone Carpet. On porous substrates more than one coat of primer may be required.
6. Allow the primer to harden, before laying RonaDeck Stone Carpet (this may take 24 hours at 20°C).

Application of RonaDeck Stone Carpet.

1. Only use RonaDeck Stone Carpet aggregate
2. Only apply to a correctly primed substrate.
3. Place RonaDeck Stone Carpet Aggregate into a clean, dry, forced action mixer. The mixer capacity must be no less than 120 litres, Baron M200.
4. Scrape all of the contents of RonaDeck Stone Carpet Part B into the Part A and mix with a slow speed drill ($\leq 450\text{RPM}$) and MR2 paddle mixer attachment for 2 minutes. Keep mixing time to a minimum to avoid a build up of heat.
5. Immediately add the mixed resin to the aggregate in the mixer and continue mixing for 3-4 minutes, avoid overmixing. To reduce heating of the mix and to optimise working time, immediately discharge the mixed resin and aggregate onto the prepared surface, level and smooth.
6. Finish the surface with a suitable float.
7. If required, immediately cast RonaDeck Stone Carpet Anti-Slip Aggregate onto the top surface of the wet resin and aggregate, at the rate of approximately 0.2kg/m². Ensure even coverage to prevent a patchy appearance.
8. Allow to cure.

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Working Temperatures

RonaDeck Stone Carpet Resin is rapid setting . It's pot life and working time is affected by the temperature of the material, air and substrate. At temperatures above 25°C the pot life and working time may be insufficient to allow its proper application. Work should therefore not proceed when product, air or substrate temperature exceed 25°C. At low temperatures the resin will not flow sufficiently to achieve a smooth finish and work should not proceed when air, material or substrate temperature is below 5°C. Between 5 and 10°C materials should be kept warm before use.

Shelf Life and Storage

Shelf life of RonaDeck Stone Carpet Resin is 6 months, aggregates have an unlimited shelf life. Store materials in clean, dry, frost free warehouse conditions between 5°C and 25°C. Protect from sunlight.

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.

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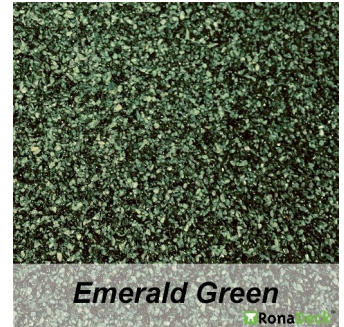
Composition	Bauxite
SRV (dry)	66 (low risk)
SRV (wet)	47 (low risk)
Coverage @ 8mm	3.3m ² (approx.)
Coverage @ 10mm	2.7m ² (approx.)



Composition	Marble
SRV (dry)	58 (low risk)
SRV (wet)	39 (low risk)
Coverage @ 8mm	4.0m ² (approx.)
Coverage @ 10mm	3.2m ² (approx.)



Composition	Granite
SRV (dry)	59 (low risk)
SRV (wet)	43 (low risk)
Coverage @ 8mm	3.9m ² (approx.)
Coverage @ 10mm	3.1m ² (approx.)



Composition	Marble
SRV (dry)	62 (low risk)
SRV (wet)	41 (low risk)
Coverage @ 8mm	4.1m ² (approx.)
Coverage @ 10mm	3.3m ² (approx.)



Composition	Granite
SRV (dry)	60 (low risk)
SRV (wet)	49 (low risk)
Coverage @ 8mm	4.0m ² (approx.)
Coverage @ 10mm	3.2m ² (approx.)



Composition	Quartz
SRV (dry)	59 (low risk)
SRV (wet)	44 (low risk)
Coverage @ 8mm	3.6m ² (approx.)
Coverage @ 10mm	2.9m ² (approx.)



Composition	Marble
SRV (dry)	60 (low risk)
SRV (wet)	39 (low risk)
Coverage @ 8mm	4.0m ² (approx.)
Coverage @ 10mm	3.2m ² (approx.)



Composition	Marble
SRV (dry)	60 (low risk)
SRV (wet)	47 (low risk)
Coverage @ 8mm	4.0m ² (approx.)
Coverage @ 10mm	3.2m ² (approx.)



Composition	Marble
SRV (dry)	64 (low risk)
SRV (wet)	46 (low risk)
Coverage @ 8mm	4.0m ² (approx.)
Coverage @ 10mm	3.2m ² (approx.)

All RonaDeck Stone Carpet aggregates have been tested for slip resistance in accordance with BS 8204-6:2008+A1:2010 Appendix B. The slip resistant values shown above were obtained in laboratory conditions. Results obtained on site may differ.

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.

Resin Bound and Bonded Surfacing

Ronacrete