

RonaFloor Anti-bacterial Coating

Water-based anti-bacterial and anti-microbial floor coating



FEATURES

- Micro-organism resistance to ISO 846
- Anti-bacterial to ISO 22196
- 99.99% reduction in bacteria
- High resin solids content
- two component water based pigmented floor coating
- FeRFA Type 2 coating for floors requiring anti-bacterial properties
- Range of colours
- Long open time
- Economical coating, good coverage rate

Description

RonaFloor Anti-bacterial Coating is a FeRFA Type 2 two component water based pigmented anti-bacterial and anti-microbial floor coating for light duty use on concrete and polymer modified screeds. RonaFloor Anti-bacterial Coating reduces the presence of bacteria on the floor by 99.99%.

Cured dry film thickness for a 2 coat application is approximately 0.2mm. RonaFloor Anti-bacterial Coating provides an economical coloured surface to concrete or polymer modified screed floors. RonaFloor HB200 should be used when greater wear is expected or a longer life is required. Apply RonaFloor HB Vertical Grade to vertical surfaces.

Physical Properties

Pot Life	150 minutes depending on humidity
Initial Cure Time	6-8 hours
Intercoat Period	24 hours maximum
Foot traffic	24-48 hours
Full cure	7 days
Solids content	57% by volume
Maximum substrate humidity	80%
Finished appearance	Semi-gloss
All the above @ 20°C working and curing time, high air humidity will retard cure and traffic times	

Anti-bacterial Properties

Testing Anti-bacterial Activity	ISO 22196:2011
Staphylococcus aureus ATCC 6538P	> 99.99 %
Escherichia coli ATCC 8739	>99.99%

Resistance to micro organisms

Testing Resistance to Micro-organisms ISO 846: 1997
No growth apparent under microscope
Strong fungistatic effect

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Pack Size and Coverage

Pack Size	5kg
Usage Rate	0.15kg/m ² /coat approx.
Coverage Rate	6.7m ² /kg/coat
Coverage per pack	Up to 33.5m ²
Coats required	2

Very porous substrates may require 3 or more coats to produce an adequate surface film and consistent appearance, coverage of the coating will be significantly reduced when applied to a layer of coating containing slip resistant aggregate.

Colour Range

Colour	Nearest RAL Number
Iron Grey	7011
Leaf Green	6002
Signal Black	9004
Signal Red	3001
Signal White	9003
Silver Grey	7001
Sky Blue	5015
Zinc Yellow	1018

Instructions for Use

Substrate Preparation

To achieve optimal adhesion it is essential that RonaFloor Anti-bacterial Coating is applied to structurally sound, clean and dry substrates. Surfaces must be prepared after making good any defects in the floor, ensuring that friable materials are removed and replaced (for fast cure repairs refer to RonaFloor Repair 1 Hour data sheets). Substrates must be prepared by captive shot blasting or similar approved method to produce lightly textured, laitance free surfaces. Substrates must be cleaned to remove grease, oil and dirt. Substrates must be allowed to dry after washing. Substrates must be vacuum cleaned, to remove loose shot and other loose materials. New concrete or screeds should be allowed to dry out for at least 28 days prior to coating. RH at the surface must be below 80% when measured with a hygrometer, or have a moisture content less than 6%.

Application Conditions

The workability and application characteristics of RonaFloor Anti-bacterial Coating are adversely affected by low temperature; viscosity and curing time will increase. Therefore the material should ideally be stored, mixed and applied at 15°C to 20°C. At lower application temperatures the material should be stored at or warmed to 15°C to 20°C prior to use. Application characteristics are severely affected below 10°C, minimum application temperature is 5°C.

Mixing

Add the full contents of the B component to the full contents of the A component and mix with a Daines type forced action mixer or a slow speed drill (maximum 450 RPM) and spiral mixing paddle (MR3 type) until a homogeneous colour is achieved. Typical mixing time is 3-4 minutes. Transfer to a shallow paint tray immediately after mixing.

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Instructions for Use (continued)

Application

Apply minimum 2 coats by short or medium nap mohair or lambswool (not foam) roller directly from a paint tray, do not charge rollers or brushes directly from the mixing vessel, to avoid the risk of unmixed material being used. Ensure intimate contact with the surface to ensure the floor is fully wetted. Ensure that the required thickness is achieved, periodically checking thickness with a wet film gauge. Do not attempt to apply the coating at a reduced thickness, this may produce roller marks and pigment separation. Do not use different batches in the same room. Temperature and air humidity conditions should remain constant throughout the period of application to ensure that the appearance of the finish coating is consistent.

Cleaning

Brushes and tools should be cleaned immediately with water.

Slip Resistance

Scatter RonaFloor A/S Aggregate Fine Grade onto the freshly applied first coat, at the rate of approximately 1—3kg/m² unless the substrate is very porous, when the initial coat may not form a film sufficient to retain aggregate and in this case, aggregate should be applied to the second coat. Allow to cure for 24 hours before removal excess aggregate with a vacuum cleaner and apply the final coat to encapsulate the aggregate.

Ease of floor cleaning will be affected by the scatter and use of cold water power washers or scrubber/ dryers should be considered.

Packaging

RonaFloor Anti-bacterial Coating is supplied in 5kg packs.

Shelf Life and Storage

RonaFloor Anti-bacterial Coating should be stored in unopened containers in dry warehouse conditions between 10°C and 30°C and protected from direct sunlight and frost. Shelf life is approximately 12 months.

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.