

# RonaFloor HB Vertical Grade

solvent free two component high build epoxy wall coating



## FEATURES

- solvent free chemical resistant wall coating
- hygienic surface
- coloured for decorative appearance and demarcation of zones
- low maintenance

### Description

RonaFloor HB Vertical Grade is two component, solvent free high build epoxy wall coatings for use on concrete, render and concrete block substrates. RonaFloor HB Vertical Grade provides a hygienic surface and excellent chemical resistance. Cured dry film thickness for a 2 coat application is approximately 0.3mm.

### Product Selection

RonaFloor HB Vertical Grade provides a high build chemical resistant surface. Apply RonaFloor HB200 to floors.

### Physical Properties (standard grades)

Pot Life	30-45 minutes
Initial Cure Time	6-8 hours
Intercoat Period	6-24 hours
Full chemical cure	7 days
Compressive Strength ASTM D695	60N/mm <sup>2</sup>
Elastic Modulus ASTM D695	3.9kN/mm

### Physical Properties (rapid grades)

Pot Life	10-15 minutes
Initial Cure Time	4-6 hours
Intercoat Period	4-6 hours
Full chemical cure	7 days
Compressive Strength ASTM D695	60N/mm <sup>2</sup>
Elastic Modulus ASTM D695	3.9kN/mm

### Chemical Resistance

10% Acetic Acid	Resistant
10% Lactic Acid	Spillage only
10% Nitric Acid	Spillage only
10% Teepol	Resistant
16% Bleach	Resistant

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## Chemical Resistance (continued)

25% Ammonia	Resistant
30% Chromic Acid	Resistant
30% Hydrochloric Acid	Resistant
50% Phosphoric Acid	Spillage only
50% Sodium Hydroxide	Resistant
50% Sugar Solution	Resistant
20—50% Sulphuric Acid	Spillage only
Acetone	Not recommended
Animal Fats	Resistant
Citric Acid	Resistant
Engine Oil	Resistant
Industrial Methylated Spirits	Spillage only
Methanol	Spillage only
Petrol	Resistant
Skydrol	Resistant
Tap Water	Resistant
Toluene	Spillage only
White Spirit	Resistant
Xylene	Spillage only

## Coverage

Approximately 18-20m<sup>2</sup>/ pack/ coat depending on surface profile.

## Typical Applications

RonaFloor HB Vertical Grade wall coating is used in areas requiring good hygiene and chemical resistance. It is suitable for use in chemical plant storage areas, warehousing, toilets, laboratories & food preparation areas. It should be applied to concrete, render and concrete block walls.

## Instructions for Use

### Substrate Preparation

To achieve optimal adhesion it is essential that RonaFloor HB Vertical Grade coatings are applied to sound, clean and dry substrates. Surfaces must be prepared after making good any defects. Ensure that friable materials are removed and replaced. Substrates must be prepared by light abrasion as required 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. New concrete should be allowed to dry out for at least 28 days prior to coating and must have a moisture content less than 5%.

### Application Conditions

The workability and application characteristics of RonaFloor HB Vertical Grade 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.

### Substrate Priming

When applying to porous surfaces it is advisable to seal the prepared surface with RonaFloor Epoxy Primer, coverage up to 5m<sup>2</sup> per kg depending on porosity.

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## Instructions for Use continued

### Mixing

Add the full contents of the B component to the full contents of the A component and mix with a slow speed drill 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 to control exothermic reaction and extend working time. This is of even greater importance when using Rapid Grade. Material must **never** be taken directly from the mixing vessel, to avoid the risk of unmixed material being used.

### Application

Apply by short or medium nap mohair or lambswool (not foam) roller directly from a paint tray. Ensure intimate contact with the surface to ensure the wall 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, which may produce roller marks and pigment separation.

### Cleaning

Brushes and tools should be cleaned immediately with xylene based solvent or RonaDeck Low VOC Cleaner.

## Colours

RonaFloor HB coatings are supplied in a range of colours, refer to colour chart available on request.

## Colour Variation

Packs should be used in strict batch rotation. Individual areas or rooms should be treated with material from a single batch to avoid the inevitable minor variations in shade between batches. (see FeRFA Guide To The Specification And Application Of Synthetic Resin Flooring).

## Packaging

RonaFloor HB Vertical Grade is supplied in 5kg packs.

## Shelf Life and Storage

Store in unopened containers in dry warehouse conditions between 10°C and 25°C and protected from direct sunlight and frost. Shelf life is approximately 12 months in these conditions. To achieve optimum performance and appearance in shade and sheen, store and apply material at a constant ambient temperature, humidity and with the same air movement throughout the project. Avoid storage and application at air, substrate and material temperatures below 10°C.

## Health and Safety

First aid - Skin contact, wash immediately with soap and water. Eye contact - wash immediately with copious quantities of water for 10 minutes.

Seek immediate medical advice. Ingestion - wash mouth thoroughly with water. Drink water. Do not induce vomiting. Seek immediate medical advice. Spillage - extinguish any ignition sources. Wash small spills away with water, soak large spills with earth or sand; avoid contact; inform authorities if major spillage occurs. Notify Fire Brigade if spillage enters drains.

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## 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.