RonaFloor HB200

Solvent free two component high build epoxy floor coating

Description
RonaFloor HB200 is a FeRFA Class 3 two component, solvent free high build epoxy floor coating for use on concrete and polymer modified screeds. RonaFloor HB200 provides excellent abrasion resistance to floors subject to medium duty traffic such as regular footfall, fork trucks and occasional hard plastic wheeled trolleys. Cured dry film thickness for a 2 coat application is approximately 0.4mm.

For vertical application refer to RonaFloor HB Vertical Grade data sheet.

Features
- **solvent free**
- **excellent abrasion resistance**
- **100% solids**
- **gloss finish**
- **hygienic surface, easy to clean**
- **decorative**
- **slip resistant with aggregate scatter**
- **low maintenance**
- **foot traffic after 24 hours**

Physical Properties at 20ºC

Physical Properties	
Working time	25 minutes
Intercoat period	16—24 hours
Foot traffic	24 hours
Full chemical cure	7 days
Protect from contact with water	7 days
Adhesion to concrete	> 1.5N/mm²

Slip Resistance (BS 8204-6 Annex B)

	0.1—0.3mm aggregate	0.4—0.8mm aggregate
Dry	PTV 70	PTV 71
Wet	PTV 64	PTV 62
Surface roughness	63µ	95µ

Packaging
Typical application rate is 0.25 - 0.3kg/m²/coat (minimum of 2 coats required)

5kg unit coverage	-	16 - 20m² per coat
15kg unit coverage	-	50 - 60m² per coat

The application rate will vary depending on the porosity and profile of the prepared surface. Coverage of the second coat will be reduced when applied to a layer of coating containing slip resistant aggregate.

On very porous substrates apply an initial coat of RonaFloor Epoxy Primer (refer to separate data sheet).

Substrate Preparation
To achieve optimal adhesion it is essential that RonaFloor HB coatings are 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 75% when measured with a hygrometer, or have a moisture content less than 5%.

After surface preparation, substrates must exhibit readings of 25 or above when tested using a rebound hammer in accordance with BS EN 12504-2 type N and pull-off strengths in excess of 1.5 N/mm2 when tested in accordance with BS EN 13892-8.

Application Conditions
The workability and application characteristics of RonaFloor HB200 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 25°C. At lower application temperatures the material should be stored at or warmed to 15°C to 25°C prior to use. Application characteristics are severely affected below 10°C, minimum application temperature is 5°C.

Substrate Priming
When applying to porous concrete it is advisable to seal the prepared surface with RonaFloor Epoxy Primer, coverage rate approximately 0.25 - 0.3kg/m²/coat depending on porosity.

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Mixing & Application
Pre-mix the pigmented Part A component before use. Add the full contents of the Part B component to the full contents of the Part 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 minutes.

The mixture is to be poured into another clean container and briefly mixed again for 1 – 2 minutes. The mixed RonaFloor HB200 is poured onto the prepared substrate and spread using a suitable squeegee followed by rollering to its final application thickness with a suitable short or medium nap, mohair or lambswool roller. Material must **never** be taken directly from the initial mixing vessel, to avoid the risk of unmixed material being used.

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

Slip Resistance
Scatter RonaFloor A/S Aggregate (fine or medium grade) onto the freshly applied first coat at the rate of approximately 0.5—2kg/m² and allow to cure. Remove excess aggregate with a vacuum cleaner and apply the second coat to encapsulate the aggregate. Coverage of the second coat will be considerably reduced. The use of A/S Aggregate will reduce the ease with which the floor can be cleaned and the use of cold water power washers or scrubber/ dryers should be considered.

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

Additional colours are available subject to minimum order quantity and surcharge.

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).

Shelf Life & 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 & Safety
Refer to product 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 a 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. Liability for 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.

Ronacrete
WORLD CLASS MANUFACTURER

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