

Ronacrete

RonaFloor Epoxy DPM

(formerly Ronadeck Epoxy DPM)

Technical Data Sheet

Solvent free, liquid applied surface damp proof membrane

FEATURES

- ✓ damp proof membrane
- ✓ epoxy resin based
- ✓ liquid applied system
- ✓ two coat system
- ✓ will receive and restrain bonded screed
- ✓ solvent free; low odour

SPECIFICATION CLAUSES

1. Damp Proof Membrane

The damp proof membrane shall be RonaFloor Epoxy DPM by Ronacrete Ltd, telephone +44 (0) 1279 638700. All materials to be applied in accordance with manufacturers instructions.

SUMMARY APPLICATION PROCEDURE

1. prepare surface
2. mix and apply two coats of RonaFloor Epoxy DPM
3. allow to cure

Description

RonaFloor Epoxy DPM is a two pack, solvent free, liquid applied surface damp proof membrane designed to reduce the passage of water vapour. It allows epoxy resins to be placed onto concrete even when the Relative Humidity (RH) of the concrete is high—up to 97%.

Advantages

- Reduces water and water vapour permeability
- Reduces project timescale
- Excellent adhesion to concretes and screeds
- Can be applied on substrates with a Relative Humidity up to 97%
- Easy to apply
- Solvent free, low odour.

SPECIFICATION

Surface Preparation

Because RonaFloor Epoxy DPM can be covered with a bonded Ronafix or other Ronacrete modified screed or topping it is essential that the substrate is sound and stable and strong enough to restrain the screed or topping. The instructions given in the appropriate Ronacrete screed specification must therefore be followed. This includes substrate testing to BS 8204 Part 3, 1993.

When mechanically abrading surfaces, vacuum blasting rather than scabbling is preferable. A heavy surface profile should be avoided in order to minimise the risk of the RonaFloor Epoxy DPM ponding or not covering high points.

When overlaying with an unbonded screed surface preparation requires the substrate to be clean, sound and free of contamination including oil and dirt.

If an unbonded screed is being laid on top of RonaFloor Epoxy DPM install a separating layer between the RonaFloor Epoxy DPM and screed to prevent partial adhesion.

The substrate should be surface dry before the application of RonaFloor Epoxy DPM.

Mixing

Pour all of Hardener B into Base A container and mix thoroughly

Physical Properties

	20°C
Pot life	30 mins
Intercoat period between 1st and 2nd coats	24 hours
Overcoat 2nd coat within	24 hours
ISAT	0.0ml/m ² /sec
Bond strength	dry >4.0N/mm ² wet >1.5N/mm ² In each case failure is in the concrete
Water vapour permeability	<3 gms/m ² /day

Coverage

First coat	3.5-4.5m ² /kg
Second coat	3.5-4.5m ² /kg
Coverage is based on smooth, non porous surface.	

using a slow speed industrial hand drill and helical spinner. Do not mix by hand or attempt to part mix as performance will be affected. Pour onto surface and apply as described below. Any residual resin remaining on the sides or base of the mixing container should be discarded. Do not use as will not be fully mixed.

Application

1. Apply the first coat of RonaFloor Epoxy DPM by squeegee or roller at the stated coverage.
2. Allow to cure until tack free - typically 12 hours @ 20°C.
3. Within 24 hours of applying the first coat, mix and apply the second coat of RonaFloor Epoxy DPM by squeegee or roller.
4. Within 24 hours apply the relevant Ronadeck coating/screed.
5. If not being immediately covered with a coating or screed, broadcast 60 mesh dry silica sand in to the wet resin at 2kg per m² and allow to cure. Protect dpm with boards or excess sand. Prior to overcoating remove excess sand. Overcoat within 24 hours.
6. In order to prevent the RonaFloor Epoxy DPM being damaged before it is overcoated it should be protected with either boards or excess sand left on the surface.

RonaFloor Epoxy DPM can be overlaid with:

- Ronadeck EWB water based epoxy floor coating
- Ronadeck HB 100, HB 200 high build solvent free epoxy floor coatings
- Ronadeck SL self smoothing epoxy floor screed
- Ronadeck Epoxy Floor Mortar trowel applied epoxy floor repair mortar and screed
- most Ronafix, Ronascreed and other Ronacrete cementitious and polymer screeds and toppings

RonaFloor Epoxy DPM

RonaFloor Epoxy DPM

Solvent free, liquid applied surface damp proof membrane

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.

Temperature

RonaFloor Epoxy DPM should not be applied at material or floor temperatures below 10°C. Above 25°C pot life will be significantly shorter. Temperatures should not fall below 5°C in the 24 hours after application.

Cleaning

Clean tools with Ronabond EP/PU Cleaner before the material has set.

Packaging

Available in 4.8kg composite packs, consisting of Base A and Hardener B. Available in clear, brick red or mid grey.

Storage and Shelf Life

RonaFloor Epoxy DPM should be stored in unopened containers in dry warehouse conditions between 10°C and 25°C and protected from direct sunlight and frost. Shelf life is approximately 9 months in these conditions.

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 of major spillage occurs. Notify Fire Brigade if spillage enters drains.

For full health and safety data refer to Ronacrete Technical Department.

RonaFloor Epoxy DPM

RONL 035 Issue 5 29th March 2010

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 Ltd, Ronac House, Flex Meadow, Merring Way, Hartlow, Essex CM19 5TD, U.K.
Tel: +44 (0)1279 638700 www.ronacrete.co.uk technical@ronacrete.co.uk