Ronacrete
WORLD CLASS MANUFACTURER

RonaFloor Epoxy DPM

Solvent free, liquid applied surface damp proof membrane

FEATURES

- **For early application of moisture sensitive flooring on drying screeds and concrete**
- **Moisture tolerant, can be applied on substrates relative humidity up to 97%**
- **Easy to apply**
- **Solvent free; low odour**
- **Use prior to application of Ronacrete screeds and coatings**
- **Use prior to application of vinyl flooring, tiles, carpet, etc.**

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 and other moisture sensitive flooring to be applied to screeds and concrete when substrate relative humidity is high - up to 97%.

Advantages

- Reduces water vapour permeability
- Reduces waiting time for drying screed and screed
- Excellent adhesion to concretes and screeds
- Can be applied to substrates with a relative humidity up to 97%
- Easy to apply
- Solvent free, low odour.

Physical Properties

Pot life	**30 minutes**
Intercoat period	**24 hours**
Overcoat 2nd coat within	**24 hours**
ISAT	**0.0ml/m²/sec**
Bond strength	
Dry	**>4.0N/mm²**
Wet	**>1.5N/mm²**

In each case failure is in the concrete.

Water vapour permeability	**<3 gms/m²/day**

Coverage

First coat	**3.5-4.5m²/kg**
Second coat	**3.5-4.5m²/kg**

Coverage is based on application to a lightly textured, non porous surface.

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Instructions for Use

Surface Preparation
To achieve optimal adhesion it is essential that RonaFloor Epoxy DPM is applied to structurally sound, clean and touch 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.

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.

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.

Application Conditions
The workability and application characteristics of RonaFloor Epoxy DPM are adversely affected by low temperature; viscosity and curing time will increase. 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 slow speed drill and spiral mixing paddle (MR3 type) for approximately 3 minutes. Transfer to a shallow paint tray immediately after mixing, or pour onto the floor, to control exothermic reaction and extend working time. Material must **never** be taken directly from the mixing vessel, to avoid the risk of unmixed material being used.

Application
1. Apply the first coat of RonaFloor Epoxy DPM by squeegee and roller at the stated coverage.
2. Allow to cure for approximately 24 hours @ 20°C.
3. After 24 hours of applying the first coat, mix and apply the second coat of RonaFloor Epoxy DPM by squeegee and roller at 90º to the first coat.
4. Within 24 hours apply the relevant RonaFloor resin coating. If the overcoat time is exceeded, the DPM is to be abraded, vacuumed and reapplied.
5. When overlaying with a screed, broadcast 0.8-1.7mm kiln-dried sand or similar to refusal into the wet resin and allow to cure for approximately 24 hours, at 20ºC.
6. Vacuum excess sand and protect until the screed is applied.
7. When other flooring products are to be applied, broadcast kiln-dried sand (size appropriate to the thickness of the adhesive layer) to refusal into the wet resin, allow to cure, vacuum excess and protect until the flooring is applied.

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Cleaning

Clean tools immediately with xylene based solvent or RonaDeck Low VOC Cleaner.

Packaging

Supplied in 4.8kg composite packs, consisting of Base A and Hardener B.

Shelf Life and Storage

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

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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