technicaldatasheet

floor it dpm

pot life
20mins

cure time
6hrs

floor moisture tolerance
98%rh

membrane

2



DESCRIPTION

floor it dpm is an epoxy resin based solvent-free, high build damp proof membrane. Specifically developed to suppress residual construction moisture and rising dampness in concrete and sand/cement screeds providing protection for water sensitive floor coverings. It can be applied in one coat and used in situations where the relative humidity level is below 98%. **floor it dpm** should only be applied subject to a survey confirming adequate underlying ground stability and hygrometer readings in accordance with Appendix A, BS8203 or BS5325.

floor it dpm has excellent resistance to water, grease, oil, aqueous salt solution and dilute mineral and organic acids.

TYPICAL USES

As a surface damp-proof membrane.

As a moisture suppressant on concrete and sand/cement screeds.

As a damp tolerant primer for concrete and resin screeds.

As a protective coating for concrete or steelwork.

ADVANTAGES

- Minimum down time and costs
- Outstanding adhesion to concrete under adverse conditions
- Excellent resistance to water and hydrolysis
- Ease of mixing and application

TECHNICAL DATA	
Colour:	Base: Black - Hardener: Amber*
Pot life @ 20°C:	20 Minutes
Cure Time @20°C:	6 hours
Overcoating Time @20°C:	6 hours
Maximum overcoating Time @20°C:	24 hours
Film Thickness:	250µ - 350µ
Application Temperature:	5 – 25° C
Coverage per Kg:	2.4m^2
Coverage per unit:	60m^2 for hygrometer readings 95 – 98%
Unit volume:	16 litres
Density:	1.55g/cc

*colour may turn purple over time however this does not affect the products performance, mixing or application.

PACKAGING

floor it dpm is supplied in 25kg pack.

PROCEDURE

SURFACE PREPERATION

The substrate should be clean, dry and free of dirt, oil, grease or surface treatments and coatings. All loose friable material such as laitance, any surface sealer or non-bonded curing compounds should be entirely removed mechanically, preferably by light shot blasting, to yield a sound and even textured surface exposing aggregate. The slab should preferably be a minimum of 21 days old and should have a relative humidity of no more than 98% when measured using a Hygrometer in accordance with BS 8203. The substrate should be surface dry.

Note: special care should be taken where contaminants are present that may be detrimental to the bond line in terms of penetration, adhesion and degradation i.e. mould release, oil, acids and solvents etc. Acid etching is not an appropriate method of preparing surfaces.

MIXING

Condition the containers between 15°C and 25°C prior to mixing. Add the full contents of the hardener unit to the base unit and mix with a slow speed drill and paddle mixer until uniform. It is important that all the resin components have been mixed, taking care to ensure that the bottom and sides are thoroughly scraped. Avoid over mixing and air entrapment.

APPLICATION

Transfer to a suitable paint tray or container and apply evenly to the substrate as soon as possible by means of a short nap roller. A fine notch trowel may also be used to apply the material prior to rolling.

Over large areas a soft foam squeegee can be used to initially spread and uniformly finish with a nap roller. Sufficient material should be applied evenly so as to satisfy the porosity of the substrate without undue ponding. Care should be taken not to exceed the coverage rate of the unit so as to maintain the requisite film build.

Once cured the coating should be free from pinholes.
When applied to very absorbent surfaces, the membrane can be absorbed into the floor leaving a subdued shine, this does not effect the performance however such circumstances where pinhole and weak spots are evident, a second application will be required.

CLEANING

Clean equipment with suitable clean solution prior to curing of the coating.

STORAGE

Store in dry conditions at temperatures between 10°C and 25°C.

Do not expose to freezing conditions.

SHELF LIFE

floor it dpm has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

LIMITATIONS

Do not apply to surfaces with standing water. Do not apply at temperatures of 3°C or less.

HEALTH, SAFETY AND ENVIRONMENTAL

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash your hands before consuming food and make sure that materials are kept safely out of reach of children and animals. Please dispose of packaging and waste responsibly and in accordance with local authority requirements. A full safety datasheet relating to this product is available from instarmac.co.uk.

QUALITY ASSURANCE

All products are manufactured in a plant whose quality management system is certified / registered as being in conformity with BS EN ISO 9001, ISO 14001 and ISO 45001. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or continuous control over where and how projects are used. All products are sold subject to our conditions of sales, copies of which may be obtained upon request.

Instarmac Group plc
Danny Morson Way, Birch Coppice Business Park
Dordon, Tamworth, Staffordshire B78 1SE
Tel: +44 (0)1827 254400
Enquiries: email@instarmac.co.uk Orders: orders@instarmac.co.uk
Visit instarmac.co.uk

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