

ULTRA DPM *it*

Technical Data Sheet

Two Component Damp Proof Membrane

Features

- ◆ Solvent Free
- ◆ Heavy Duty Performance
- ◆ Up to 98% Rh
- ◆ Durable and Universal
- ◆ Suitable for Cement and Most Common Substrates

Ultra DPM IT is a two component, solvent free damp proof membrane that allows fast installation on cement-based surfaces, thus reducing waiting time and costs. It strengthens the surface of almost all substrate types and offers a reliable performance due to its heavy-duty characteristics.



Supplied in: ● ●

Manufactured by **Instarmac Group plc**

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Two Component Damp Proof Membrane

INFORMATION

Ultra DPM IT is a two component, solvent free damp proof membrane designed for use as a coating over cementitious surfaces, which possess high levels of residual moisture. Additionally, Ultra DPM IT may be employed over cementitious surfaces, which have not been protected by an underlying moisture barrier. This practice should only be adopted subject to a survey confirming adequate underlying ground stability. Ultra DPM IT permits early overlaying with vinyls, carpets and resin-based products without the conventional drying period. It is suitable for all common cementitious floor compositions.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from Ultra DPM IT, the correct surface preparation is essential. Please ensure that the substrate is clean, dry, sound, smooth and free from dust, grease, old adhesives residues and any other contaminants. Remove any waterproofing, surface hardeners and laitance prior to the application of Ultra DPM IT. All subfloors should be fully cured and their surface temperature must be at least 10°C when the membrane is applied. New cement and sand/cement screeds need to be at least 7 days old. Ensure that any rough or uneven surfaces are smoothed over and that underlayments are left to dry for a minimum of 24 hours before using Ultra DPM IT. Power floated subfloors should be shot blasted to promote adhesion. Subfloor bay joints where movement is not anticipated, or small voids, can be filled with Ultra DPM IT mixed with dry sand and left to cure fully before applying Ultra DPM IT.

MIXING

Drain contents of hardener bottle into resin metal container and mix thoroughly for a minimum of 3 minutes or until an homogeneous mix is obtained. Pay special attention to the scrape sides and base of container.

APPLICATION TECHNIQUES

Apply by soft bristle brush or medium length lambswool roller.

RELATED PRODUCTS

- Ultra Level IT one – Single part concrete levelling compound
- Ultra Level IT two – Two part leveller for flexible substrates
- Ultra Feather IT – Feather finish smoothing compound
- Ultra Patch IT rapid45® – Fast setting rapid drying mortar
- Ultra Level IT super30 – Super rapid set levelling compound
- Ultra Level IT HD top – Industrial grade self-smoothing topping
- Ultra Level IT HD base – Industrial grade self-smoothing sub-layment base
- Ultra Prime IT AR – Universal acrylic primer
- Ultra Prime IT N – Universal neoprene primer

TECHNICAL DATA

Packaging:	7.36 kg metal tin (resin), 2.64 kg poly bottle (hardener).
Colours:	Yellow resin (first coat); Red resin (second coat).
Composition:	Non-pigmented epoxy/amine resin system.
Appearance:	Full gloss film, tinted yellow or red.
Durability:	Excellent long term hydrolytic stability when used as a moisture repellent membrane/coating. Good resistances to general chemical contact.
Coverage Rates:	250-260g/m ² or 19-20m ² /5kg at 240-250 microns/per coat. Note: Coverage rates and related film build will, in practice, depend upon the porosity and profile of the floor surface being treated.
Thickness:	As a two coat system – 480-500 microns composite build.
Specification Detail:	Two coats of 240 microns per coat, 16-18 hours between coats. Second coat to be applied at right angles to first.
Cure Schedules:	Tack free time @ 20°C – 6-8 hours Minimum time to overcoat @ 20°C – 16 hrs Maximum time to overcoat @ 20°C – 48 hrs Pot life of full unit mix @ 20°C – 40 mins
Chemical Resistance:	Good resistances to general chemical contact. Excellent stability under water/saline immersion.
Other Technical Data:	Water vapour permeability to A.S.T.M. – 2.6/m ² /mm/day. Service temperature – minus 20°C-60°C. Lap shear bond strength to A.S.T.M. – 16-18N/mm. Direct pull from concrete adhesion (Elcometer) – 9-11N/mm.
Storage:	Store in sealed original containers at temperatures between 5°C and 30°C. Protect from frost.
Shelf Life:	12 months in sealed containers in the above conditions.

HEALTH & SAFETY

Please ensure that the appropriate PPE is used when preparing, mixing and applying products. Always wash 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 appropriately.

A full Material Safety Data Sheet relating to this product is available from www.instarmac.co.uk.

DPM Epoxy Resin – IRRITANT, DANGEROUS FOR THE ENVIRONMENT. Contains EPOXY RESIN (Number average MW <= 700) • NONYLPHENOL • TRIPHENYL PHOSPHITE • R36/38 Irritating to eyes and skin • R43 May cause sensitisation by skin contact • R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment • S28 After contact with skin, wash immediately with plenty of water • S37/39 Wear suitable gloves and eye/face protection • S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

DPM Hardener – CORROSIVE. Contains 2-PIPERAZIN-1-YLETHYLAMINE • NONYLPHENOL • R34 Causes burns • R21/22 Harmful in contact with skin and if swallowed • R43 May cause sensitisation by skin contact • R36/38 Irritating to eyes and skin • S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice • S28 After contact with skin, wash immediately with plenty of water • S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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