

# MARLDON MXS140 RAPID DPM

250036

## PRODUCT DESCRIPTION

Marldon Rapid DPM MXS140 is a solvent free, accelerated two part epoxy based surface damp proof membrane, especially developed for suppressing residual moisture in concrete and sand and cement based subfloors. MXS140 is compatible UFH systems and produces a guaranteed surface damp proof membrane, accommodating up to 97% RH with just a single coat. We do not recommend the use of this product over anhydrite/calcium sulphate based screeds when UFH systems are installed within the screed. Due to its rapid drying properties, floor coverings or compatible Marldon smoothing compounds can be installed in as little as 3 hours after application.

Designed for use in conjunction with all other Marldon sub floor preparation products including MXA 200 wood floor adhesive.



|                                  |  |
|----------------------------------|--|
| <b>Coverage</b>                  | Approx 12.5m <sup>2</sup> per 4ltr unit (dependent on the porosity of the substrate and method of application) to give a dry film thickness of approximately 250 - 350 microns per coat.   |
| <b>Drying Time</b>               | 3 to 4 hours at +20°C  |
| <b>Composition</b>               | MXS140 is an exhibilised epoxy, which contains wetting agents and penetrants to maximise adhesion, flow control agents to minimise pinholes and overlapping platelets which provide an extra barrier to moisture vapour.                                 |
| <b>Working Time</b>              | Due to the fast cure profile designed into this product, all product should be applied onto the floor in a ribbon immediately after mixing. This will allow for the maximum working life to be achieved and facilitate application and improve coverage. |
| <b>Storage</b>                   | Temperatures during transport and storage of the goods must not fall below +5 or exceed +30°C. Protect from frost at all times. Keep out of direct sunlight and out of the reach of children.  |
| <b>Shelf Life</b>                | 6 months from date of production when stored in the original unopened container inline with recommended storage temperatures and conditions.   |
| <b>Packaging</b>                 | Supplied in two parts, Part A Resin packed in an oversized metal tin, (which should be used for mixing both parts together). Part B supplied in a smaller metal tin, should be poured in to Part A prior to mixing.                                      |
| <b>Colour / Mix Ratio</b>        | Part A - Resin: Dark Grey. Part B - Hardener: Brown. Mix full kits only.   |
| <b>Service Temperature Range</b> | -20°C to +80°C.  |

This information is given to the best of our knowledge but without liability.



### KEY BENEFITS

- ✓ One coat DPM system up to 97% RH.
- ✓ Suitable for applications with underfloor heating.
- ✓ Cures twice as fast as conventional epoxy-based surface damp proof membranes.
- ✓ Substantial time-saving benefits - Floorcoverings can be laid the same day.



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## PREPARATION

Store for 24 hours at +15°C to +25°C.

Cooler temperatures will increase viscosity making application more difficult. Higher temperatures will speed the chemical reaction, reducing working pot life.

The subfloor should be tested in accordance with British Standards and a properly calibrated and insulated hygrometer should be used.

Concrete curing compounds and over-trowelled concrete will extend the time taken for the hygrometer to reach equilibrium.

Subfloor measurement readings up to 97% RH (measurable) can be accommodated with the system (99% theoretically).

Ensure all surfaces are clean, dry, frost free and free from grease, oil, dirt, dust, loose friable material and any other contaminants liable to prevent penetration into the substrate or adhesion to the surface.

N.B: The use of concrete curing agents and admixtures can potentially impair adhesion. If you're unsure of the compatibility of this product, carry out a trial adhesion test or contact our Technical Department.

Machine scarifying or shot blasting will be necessary for removal of incompatible curing agents, admixtures or other stubborn surface contamination. Shot blasting is also recommended on lightly polished surfaces.

MXS140 Rapid DPM hardens by a chemical reaction. It is essential that the mixing instructions are strictly adhered to; Stir Part A and Part B thoroughly before transferring Part B into the Part A container.

Using a slow speed drill fitted with a two bladed propeller (NOT A CEMENT PADDLE), mix the contents for 4 - 5 minutes to obtain uniformity in colour and consistency. Ensure all materials from the base and sides of the containers are mixed in thoroughly to ensure a uniform cure.

## APPLICATION

All phases of installation should comply with relevant British Standards, the sub-floor product manufacturers instructions and/or other local installation standards and codes of practice.

Measure out the coverage area 12.5 m<sup>2</sup> (up to 97% RH) to ensure correct coverage for a 1 x 6 kg unit and to give the correct coating thickness of approximately 250 - 350 microns. This will ensure the product is not over extended and therefore performs to the desired level.

Immediately after mixing, apply the product onto the floor in ribbons to avoid excessive heat build-up and increase working life. Apply with a 2mm x 5mm notched trowel. Replace or re-notch worn trowels to ensure that the correct thickness of MXS140 is maintained.

Apply an even continuous coat of mixed MXS140 across the whole area, to a minimum thickness of 350 microns as per application instructions.

While the DPM is still wet, flatten out the serration ridges with a long handled, short pile roller, initially pre-wetted in the MXS140.

Allow to cure for 3-4 hours (this may vary depending on climatic conditions).

## HEALTH & ENVIRONMENT

Use in well ventilated conditions and ensure all recommended protective equipment is used during handling and use of this product.

Product health and safety data sheet must be read and understood before the use of this product.

## FOR FURTHER INFORMATION

Contact the dedicated Marldon Technical Team on 01772 696600.

Additional Information: This data sheet is prepared by Marldon Technical Department. The information contained in this technical data sheet is based on present knowledge and current national legislation. The information provided is a guidance on usage, application, health and safety etc, it is not to be construed as a guarantee of technical performance or suitability for particular applications.