



Manufacturers of High
Performance Floor
Coatings and
Re-Surfacing Screeds

WATERPROOFING

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Liquid Surface Membrane

- ▲ **Liquid Applied Surface Membrane**
- ▲ **Apply to Dry and Damp Surfaces**
- ▲ **Solvent Free and Low Odour**
- ▲ **Oil Tolerant**



THE RANGE

We have been manufacturing high performance floor coatings for three decades. All our epoxy resin floor coatings have been designed and developed with advice from applicators and clients to provide a lasting solution. Simple to mix and easy to apply.

LIQUID SURFACE MEMBRANE

Applied by roller as a final floor finish or prior to the installation of other epoxy resin flooring systems, vinyl sheeting, tiles, carpet, suspended timber flooring, parquet flooring, laminate, self levelling latex screeds and most other floor surfaces.
Available in 2 Litre, and 4.5 litre packs in clear, red and grey for easy identification for a two coat system

<http://www.epoxyproducts.co.uk/waterproofing.html>



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Liquid Surface Membrane

DESCRIPTION

LIQUID SURFACE MEMBRANE is a twin pack, epoxy resin liquid surface membrane for concrete floors prior to the installation of vinyl sheeting, tiles, suspended timber floors, laminates, carpets and most resin flooring systems. This product will provide a barrier preventing residual moisture movement under hydrostatic pressure and an highly effective barrier to oil and other contaminants.

USES: It will provide protection against residual moisture or oil from affecting subsequent floor covering installations. Concrete surfaces can be dry or damp during the application. It is an ideal waterproofing coating for floors and walls in cellars, basements, plant rooms, inspection pits and water retaining structures.

PREPARATION: Ensure the surfaces are free from deep holes and wide cracks. Fill deep holes with PATCHING MORTAR or for small holes and cracks with EPOXY FILLER. For extremely uneven concrete, resurface using a water resistant, polymer modified, cement levelling topping prior to applying LIQUID SURFACE MEMBRANE.

To maximise performance - or as an unprotected wearing finish- all concrete to be treated must be sound, and as clean as possible. Remove all surface dust, grease oil and other contaminants. For small areas use of our 'Degreaser' (available to purchase from our web site) or for large areas vacuum shot blasting is recommended. Vacuum the areas prior to application

MIXING: Empty the entire contents of Pack "B" (Hardener) into Pack "A" (Resin) and stir using a mixing paddle in an electric drill on a slow speed for 3 minutes. Ensure you reach both the sides and bottom of the container during the mixing process.

APPLICATION: Apply one coat on smooth surfaces and two coats on textured Surfaces or when maximum performance is required. Apply the coating by roller immediately after mixing and use all within 30 minutes.

When applying onto damp concrete ensure you work the coating well onto the surface. For damp proofing, where possible continue the membrane up the walls to meet the damp proof membrane. Do not cover expansion or construction joints

PRODUCT DATA

COVERAGE - A 4.5 Litre pack will cover around 20m² depending upon the porosity and texture of the substrate.

POT LIFE

When fully mixed, approximately 40 minutes @ 20°C

CURING /HARDENING TIME

Tack free after 10 hours @ 20°C. Apply second coat within 48 hours of first coat.

Do not apply at temperatures below 5°C. After 24 hours at 20°C the surface is suitable for subsequent pressure adhesive or application of a subsequent resin flooring system.

SOLID CONTENT 100%

CHEMICAL RESISTANCE

Good resistance to spillages of many chemicals commonly met within industry.

PROPERTIES OF THE SYSTEM

Parameter	Unit	Figure	Method
Hardness 13C,24 hours	Shore D	22	DIN 53505
23C, 24 hours		56	
23°C, 7 days		75	
Compressive Strength	N/mm ²	78	EN ISO 604
Bending Tensile Strength	N/mm ²	70	EN ISO 178
Tensile Strength	N/mm ²	41	EN ISO 527-1
Adhesion/Pull Off Strength	N/mm ²	2	DIN EN 13 578
Abrasion resistance	mg	55	Taber (CS10,1000, 1000)

Bond Strength Far exceeds the cohesive strength of concrete.

Water Vapour Permeability >3gms/m²/day

COLOURS

Clear, Grey and Red. (For a two coat system use one red and one grey for easy identification)

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