



MULTITHANE UV

UV RESISTANT POLYURETHANE MEMBRANE

Description

Duram Multithane UV is a coloured (usually grey or beige) elastomeric, single pack, cross-linking, UV resistant, moisture curing, high tensile strength, flexible polyurethane waterproofing membrane.

Multithane UV cures to form a tough, flexible, seamless waterproof membrane that bonds firmly to most suitably primed substrates and is capable of withstanding normal structural and thermal movement and hydrostatic pressure.

Multithane UV incorporates anti-oxidants and UV stabilisers specifically formulated to provide UV stability in exposed applications.

Advantages & Benefits

Multithane UV represents the highest standards in polyurethane waterproofing technology and incorporates the following benefits:

- Fast Curing - usually within 24 hours.
- Permanently flexible. (Flexibility >500%)
- Suitable for long term immersion in water.
- Compatible with common two pack (resin/cement) tile adhesives with sand embedded into the top coat of Multithane UV.
- Suitable for UV exposure.
- It will not stain grout or tiles.
- High strength and puncture resistant.
- Available in horizontal and vertical (low sag) grades.
- Resistant to a wide range of pollutants, chemicals and detergents (excluding caustic and

corrosive elements).

- Almost odourless when cured.
- Formulated for long-term waterproof protection.
- Easy to apply - suitable for wide range of applications.
- Tar Free.
- High hydrostatic pressure resistant.

Uses

Multithane UV is ideal to waterproof most applications within the building and construction industry including:

- Its main use is for exposed roofs, decks, terraces, gutters and flashings.

It is also suitable for (usually applied in Standard Grade):

- Shower recesses and other wet areas (floors and upturns only).
- Decks, terraces, balconies (to be tiled or topped).
- Retaining walls.
- Planter boxes.
- Structural slabs.
- Water retaining structures.
- Tanks.
- Roofs.
- Lift pits
- And more...

NB. This data sheet does not constitute a full specification as site conditions and requirements vary. Confirmation of suitability and specification should be sought from the Company regarding specific projects.

Substrates

Multithane UV is suitable for use on most substrates, usually primed, including concrete, masonry, brick, cement render or cement topping, fibre-cement board, plaster board, timber and etch-primed metal. Substrates must be sound, gap free,

clean, and free of oil, grease, anti-rust treatments and loose or friable matter.

Preparation Guide

Additional information is also contained in Duram's General Preparation Guide.

Priming:

Suitable primers are Duram Azcoseal, Duram Primeseal or Duram Multiseal.

Azcoseal: Apply at 4m² per litre and allow to cure (usually taking 1-2 hours). Excessively porous or dusty surfaces may require an additional coat.

Primeseal & Multiseal: Apply at 4m² per litre and allow to cure (usually within 24 hours). Excessively porous or dusty surfaces may require an additional coat.

Note: Multithane UV can be used without priming on suitable substrates with a very low moisture content.

Multithane UV should be applied to the primed surface as soon as possible after the primer is dry and within 24 hours. Beyond this period the cross-linking diminishes. If membrane is not applied within 48 hours the area should be re-primed.

Damp surface must be primed with Duram Primeseal. Freedom from surface water and continual dampness is essential. Damp surfaces will delay curing.

Corners, Joins, Cracks, Gaps and Penetrations

To corners and around penetrations, apply Multithane - Vertical Grade (or other suitable polyurethane mastic)

IMPORTANT

The product information contained in this data sheet is given in good faith based upon our knowledge and current information and does not imply any warranty.

The information contained herein is provided on the basis that the product is applied in a proper manner strictly in accordance with instructions onto correctly prepared surfaces which shall remain sound, stable and free of cracking or movement. Instruction application deviation may diminish or negate the performance of the product. Under no circumstances will the Company be liable for any loss, consequential or otherwise, arising from the use of the product. We reserve the right to amend specification and application techniques without prior notice.

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with small broad-knife to form and adequate (>10mm) fillet or cove. Joins, cracks and gaps must be properly filled with a polyurethane sealant.

All waste outlets including waste outlet flanges must be rebated to finish no higher than flush with the substrate. Likewise the substrate should allow water to readily drain via the outlets.

Application

Apply Multithane UV by brush, roller or squeegee in two coats about 24 hours apart.

If matting is used with the membrane the application consists of a base coat, saturation coat and final topcoat ensuring that it is entirely saturated and covered.

In ideal conditions the membrane may be applied in a single coat after proper priming.

The minimum final dry film thickness for a single or two-coat system must be at least 1.2mm.

Tiling Or Topping

Multithane UV can be exposed, topped, tiled or covered with pebbles with will prolong its life. If the membrane is to be tiled then dry builder's sand must be liberally broadcast into the wet top coat to provide a mechanical key.

Multithane UV must be properly cured before tiling or topping and tiling must commence as soon as possible after the membrane has cured. The membrane must be clean and free of adhesion detracting substances before tiling.

Multithane UV is compatible with Duram Tilefix - Wallaby tile adhesive (flexible, two pack) and sand/cement toppings. When tiling, adequate expansion joints must be installed in accordance with good tiling practice and AS3958.1-1991.

Minimum Coverage

Primers:

0.20 to 0.25 litres per square metre per coat.

Multithane:

1.6 litres per square metre for combined coats (0.80 Lt per m² per coat).

Coverage is dependant upon type, porosity, texture and application technique.

Packaging

MultiSeal and Multithane UV: 15 ltr cans.
Azcoseal & Primeseal: 20 ltr cans.

Clean Up

Avoid spills, as removal is difficult. Wet brushes and equipment can be cleaned using Duram Solvent.

Precautions

Risk is considered low when properly used but it is important to observe precautions on the can and Material Safety Data Sheet.

Technical Information

Cure Time	8 to + 24 hours
Elongation	> 500%
Specific Gravity:	+ - 1.16 - 1.20
Content Less VOC's:	+ - 82%
Shore Hardness	+ - 78
Water Absorption %	1.0 - 1.5
Tensile Strength	+ - 2.0 Mpa
Service Temperature	+ - -20 to 100°C.
Hydrostatic Pressure	
Resistance:	>70 Kpa.
Appearance	Coloured viscous liquid, usually grey or beige
Clean Up	Duram Solvent to clean equipment.
Dilution	Not recommended but Duram Solvent.

Flash Point:	> 44°C.
Application Temp	10°C to 30°C (ambient)
Hydrostatic Pressure	
Resistance	> 1 kpa.
Shelf Life	6 months unopened.

Safety

Multithane UV is solvent based. The use of solvent resistant rubber gloves and goggles (against splashes) is recommended.

Self contained breathing masks/apparatus are recommended when spraying (rare), particularly in confined areas.

If swallowed do not induce vomiting, give plenty of water to drink. Seek urgent medical advice.

If in eyes, flush thoroughly with clean water.

If on skin, remove contaminated clothing and wash with soap and water.

If inhaled (unlikely due to its viscous nature), remove person to fresh air. Apply artificial respiration if required.

Product is flammable. Keep away from all sources of ignition.

Ensure that there is adequate ventilation. Vapours may collect in low-lying areas.

Disclaimer

The company's liability in respect of this product is limited to the replacement of proven faulty product and is not responsible for any loss or damage arising from its use or any consequential damage whatsoever.