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HydroFlow UV

Product Overview

Hydroflow UV is an elastomeric one-part polyurethane/Acrylic fibre reinforced water-based membrane developed as a high-performance internal/ external membrane for most general waterproofing applications.

Hydroflow UV is suitable for external applications where a UV stable, occasionally foot trafficable membrane is required.

Application areas include:

- Internal wet areas such as bathrooms & showers
- External wet areas such as balconies, decks & rooftops

Based on unique polyurethane technology, **Hydroflow UV** provides the applicator a single part membrane which achieves good film build, with excellent reinforced and elastomeric properties once the membrane is dried.

Hydroflow UV offers excellent adhesion properties over building substrates including concrete, masonry, renders, cement sheeting, wet area sheet surfaces and plaster board surfaces. **Hydroflow UV** possesses excellent low water vapour transmission properties and is fully compatible with polymer modified cement-based tiles adhesives, screeds, and renders.

Hydroflow UV is tested and fully meets the requirements of:

- AS/NZS 4858:2004 ***Wet area membranes as a Class III membrane***
- AS3740: 2021 ***Waterproofing of wet areas within residential buildings***
- AS4654.1 & AS4654.2 **Waterproofing membranes for external above-ground use**

Features & Benefits:

- Tough & flexible when cured
- Class III membrane certified to ASTM 4858:2004 wet area membranes when applied in accordance with AS-3740:2021
- Low VOC content
- Single pack no mixing
- Excellent adhesion to a wide variety of substrates
- Safe and easy to use
- UV stable for external applications
- Can handle light maintenance foot traffic once fully cured
- Designed for use with a bond breaker

General Application Details:

- Surfaces must be clean, dry, suitably prepared and in a sound state prior to beginning the application
- Masonry surfaces must be pointed flush and surface defects repaired
- Hydroflow UV membrane should be lightly stirred before using and may be applied to vertical or horizontal surfaces using a roller or brush
- Substrates must be primed before applying the membrane. There are a range of primers suitable for a variety of substrates and applications (see Priming below)

- As a wet area membrane Hydroflow UV requires a suitable bond breaker at all substrate junctions and/or movement joints. Detailing tape such as Hyperband or Omniflex should be used
- Alternatively, equivalent bond breaking methods compliant with AS3740 & the NCC may be used
- Apply a minimum of 2 coats at a total rate of 1.5 litres/m² to achieve a minimum dry film thickness of 0.9mm

	Total Wet Film	Total Dry Film	TOTAL DFT
1 COAT	0.75mm	0.45mm	0.45mm
2 COATS	1.50mm	0.90mm	0.90mm

- Drying times: Re-coat 2-4 hours, Dry film 8-12 hours, Tiling/topping 24-48 hours, Full cure/flood test – 10 days (Based on normal ambient conditions of 23°C, 50% RH)

Priming:

All porous surfaces such as concrete, masonry, brick, fibre-cement sheet, or timber must be primed with Aquaprime-GP.

Non-porous or especially smooth surfaces such as FC sheeting or Scyon Sheeting require the use of Omniprime or a water-based epoxy primer such as Gripset E-60.

Metal surfaces must be free from rust, clean and should be primed with a primer suitable for metal such as Omniprime or a water-based epoxy such as Gripset E-60.

Technical Data:	
Appearance	Grey
Packaging	15 Litres
Specific Gravity	1.26g/cm³
Elongation	450% at break
Classification	Class III High Extensibility
Volume Solids	60%
MVTR	3.15g/m²/24hrs
Tensile Strength	5.2MPa

Where priming over non-paintable silicon is required, span the silicon with a butyl waterproofing tape such as Omniflex prior to application of membrane.

When applying membrane over uncured screeds or other cement-based products, two coats of water-based epoxy such as Gripset E-60 (with no more than 5% dilution) must be used to act as a vapour barrier.

In all circumstances, the substrate to be primed must be dry, clean, and sound prior to the application of primer.

Important Notes:

- Polymer modified cement-based tile adhesives such as Gripset C-Mastic or Dribond Monoflex are recommended for direct adhesion to the membrane – consult the technical data sheet of the proposed tile adhesive to ensure it is suitable for use on water-based membranes
- Acrylic or SBR bonding agents such as Gripset 11Y are recommended for applications of screeds and renders directly over the membrane
- Best storage conditions are in a dry area at room temperature, avoiding humidity and frost
- Product while in a wet state will clean up with water. Once dried product may be removed by mechanical means or with xylene solvent
- Do not apply if rain is imminent (within 24 hours at 20°C), or if the temperature is below 10°C or above 35°C
- applying the membrane in cold temperatures, high humidity, or where there is limited or no air flow over the membrane may result in the membrane failing to dry
- Do not apply on damp, wet or contaminated substrates
- **Hydroflow UV** is suitable for light foot traffic only. The product must be top coated with a suitable trafficable coating if a heavier wearing surface is required

Storage:

- **Hydroflow UV** may be stored for up to 18 months in sealed containers.
- The product is not freeze/thaw proof; do not allow it to freeze.

Hydroflow UV 10 Year Product Guarantee

- The WaterStop Shop guarantees the performance of **Hydroflow UV** when:
  applied to properly prepared, structurally sound surfaces, and
- tiles are installed in accordance with AS3958, and
- waterproofing is installed in accordance with AS3740-2021 (internally) or AS4654.2-2012 (externally) in conjunction with;
  - The WaterStop Shop's written application instructions,
  - all relevant requirements of the National Construction Code (NCC)
  - any relevant local building requirements, and
  - good trade practices

The guarantee is for a period of 10 (ten) years from the time of application and only covers the cost of materials and labour of the original installation when the product is proven and acknowledged to be faulty.