

DUROPROOF™ PUM PRO

HIGH VISCOSITY, LIQUID APPLIED, POLYURETHANE MEMBRANE FOR NON-EXPOSED AREAS



DESCRIPTION

DUROPROOF™ PUM PRO is a tough, durable, elastomeric, single pack, liquid applied, moisture curing, cross linking, polyurethane waterproofing membrane. DUROPROOF™ PUM PRO forms a tough, flexible, seamless waterproofing membrane designed for both vertical and horizontal surfaces that bonds well to most suitably primed building substrates. DUROPROOF™ PUM PRO is formulated as an anti-sag membrane, that although easy to apply by roller or brush, it can be applied on to vertical surfaces without slumping to achieve the required film thicknesses.

FEATURES

- Single pack - no mixing.
- Fast curing (usually within 24 hour)
- Anti-sag (maintains required thickness without slumping on vertical surfaces)
- Will not bleed or stain grout or tiles
- Good chemical resistance
- High strength and puncture resistant.
- Provides seamless membrane (no joints or laps)
- Easily repaired and maintained.
- AS 4654.1 Compliant
- AS 4858 Compliant
- Formulated to provide long term protection
- Tar free
- Easy to apply

USE AREAS

- External Un-Exposed Wet Areas
- Internal wet area floors under screeds
- Balconies, roof decks and podiums with DUROPROOF™ TTC

TECHNICAL INFORMATION

Membrane Classification	Class 3 - high extensibility
Elongation at Break	>300% Class 3
Colour	Grey
Appearance	Thick paste
Cure System	Moisture cure
Volume Solids	90%
Full Cure	7 Days @ 25°C and 50% RH
Flammability	Non-flammable
Recoat Time	24 hours @ 25°C and 50% RH
Minimum Wet Film Thickness	660 microns per coat Minimum 2 coats
Minimum Dry Film Thickness	1.2mm after 2 coats

Notes: Drying times may vary with temperature change.

SUITABLE SURFACE

- Concrete, cement and cement block work
- FC Sheeting
- Hebel
- Render
- Brick
- Plaster Board
- Masonry

Surface should be sound, stable, dry, clean and free of dirt, dust and contaminants and suitably PRIMED.



PACKAGING

15 Litre

SPECIFICATION

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor must use their skill, knowledge and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the Specifications section on durotechindustries.com.au

SUBSTRATE PREPARATION

Surface must be free of dirt, dust, loose particles, oily contaminates, old membranes & coatings laitance, curing compounds and flaking concrete, etc. Grind, acid etch or sandblast concrete if necessary. Concrete must be a minimum strength of 20MPa and have cured a minimum of 28 days. Concrete should be fine broom finished. Surfaces must be dry with a moisture content below 5%. Fill all screw holes, cracks and voids with DUROSEAL™ 40FC or DUROSEAL™ FC PRO. Install leak control flanges around all pipe penetrations. Build up areas that are likely to cause ponding.

PRIMING

DUROTECH™ HIBUILD WBE may be used in areas where the moisture content of the surface is low, applied at no less than 1 Litre 4m². If there is a risk of entrapped moisture in the substrate which may cause the membrane to bubble or out gas, two coats of DUROTECH™ HIBUILD WBE should be applied. DUOPRIME™ PU primer may be used on porous substrates such as concrete at the rate of 6-8m² per litre. Excessively porous, friable, and dusty surfaces may require an additional priming coat. Metal surfaces must be clean and free of contaminants and then apply DUOPRIME™ ME or DUROTECH™ HIBUILD WBE. If surface rust is present, treat the rust with a rust converter, and then apply DUOPRIME™ ME or DUROTECH™ HIBUILD WBE. Ensure primers dry before applying DUROPROOF™ PUM PRO and refer to the technical data sheet of the relevant primer. PVC fittings should be etched and primed with DUROTECH™ HIBUILD WBE.

BOND BREAKER

When installing bond breakers use DUROSEAL™ 40FC or DUROSEAL™ FC PRO. The bond breaker is to be installed over the dry primer coat where a bond breaker joint is required. Bond breaker joints must be a minimum 15mm x 15mm for external applications at a 45 degree angle. Apply DUROPROOF™ PUM PRO once DUROSEAL™ 40FC or DUROSEAL™ FC PRO has cured.

APPLICATION

DUROPROOF™ PUM PRO can be applied with a brush or a roller to the desired thickness. 1.8 kg/m² application over 2 coats is required to achieve a dry film thickness (DFT) of 1.2mm. Application temperature of DUROPROOF™ PUM PRO is >5°C to 35°C.

Recoating instructions: In normal conditions, DUROPROOF™ PUM PRO can be re-coated with another layer of DUROPROOF™ PUM PRO after one night and within 24 hours. In case of rain or if the recoating interval was exceeded, come back to the substrate by grinding.

COVERAGE

The stated average coverage rate may vary depending upon type, condition, porosity, texture of the surface and application technique. On average, the minimum final coverage of DUROPROOF™ PUM PRO is approximately 1.8 kg/m², applied over 2 coats in order to achieve a dry film thickness (DFT) of 1.2mm.

STORAGE

Keep in cool, dry place away from heat, flame or combustible material. Product contains flammable solvents. Class 3 Dangerous Goods must be declared prior to transportation.

DRYING & CURING

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide. Curing is dependent upon temperature, humidity, type of substrate and application technique. Generally, DUROPROOF™ PUM PRO will be dry to touch within 10 to 12 hours with full cure within 24 hours.

CLEAN UP

Avoid spills. They are difficult to clean particularly off porous surfaces. For wet spills use a cloth soaked in DUROTECH™ XYLENE. Equipment should be immediately cleaned with DUROTECH™ XYLENE.

SAFETY & PRECAUTIONS

Refer to the DUOPROOF™ PUM PRO Material Safety Data Sheet available on the Durotech website. The wearing of gloves, goggles, coveralls and safety footwear is highly recommended. For full safety details refer to the products Material Safety Data Sheet available on durotechindustries.com.au. For further information about this product contact technical department of Durotech Industries 1300 434 272.

CURE

DUOPROOF™ PUM PRO will reach full cure after 7 days.

PRECAUTION

- Do not apply if temperature is above 35°C or less than 5°C
- Do not apply if rain is imminent
- Do not use in a chlorinated environment
- Ensure sheet flooring is appropriately fixed as per manufacturers' instructions
- Do not direct stick tiles onto DUOPROOF™ PUM PRO as this could lead to the debonding of tiles

LIMITATIONS

Direct bonding of ceramic tiles or other hard coverings is not recommended. Topping screeds should be self supporting (i.e. reinforced), should be at least 40mm thick and applied over a suitable slip sheet. DUOPROOF™ PUM PRO must be applied to completely dry surfaces. DUOPROOF™ PUM PRO should not be applied without the necessary protective clothing – refer safety data. This product is very sensitive to air, therefore containers cannot be resealed for future use once they have been opened.

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