

# DUROPROOF™ PU BLACK ANTI-ROOT

## POLYURETHANE MEMBRANE



### DESCRIPTION

DUROPROOF™ PU BLACK ANTI-ROOT is a tough, durable, elastomeric, single pack, liquid applied, moisture curing, cross-linking, polyurethane waterproofing membrane formulated with our unique plant anti root properties. DUROPROOF™ PU BLACK ANTI-ROOT forms a tough, flexible, seamless waterproofing membrane designed for both vertical and horizontal surfaces that bonds well to most suitably primed building substrates. DUROPROOF™ PU BLACK ANTI-ROOT is formulated as an antisag membrane, that although easy to apply by roller or brush, it can be applied on to vertical surfaces without slumping to achieve the require film thicknesses.

### FEATURES

- Single pack - no mixing
- Fast curing (usually within 24 hour)
- Anti-sag (maintains required thickness without slumping on vertical surfaces)
- Elongation 360% - AS 4654.1 Class III as per AS/NZS 4858 - 2004
- 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
- Formulated to provide long term protection
- Tar free
- Easy to apply

DUROPROOF™ PU BLACK ANTI-ROOT meets AS4654.2 (Exposed Membrane) when exposed areas are top coated with DUROPROOF™ TTC.

### SUITABLE SURFACE

- Tiled or covered areas
- Shower recess & wet areas (floors and upturns)
- Decks, balconies, terraces & podiums
- Retaining walls
- Planters and landscaped areas
- Structural slabs
- Roofs (covered by pebbles with approved drainage cell system or top coated with DUROPROOF™ TTC)

### USE AREA

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

Surface should be sound, stable, dry, clean and free of dirt, dust and contaminants and approved DUROTECH™ system primer.

### 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](http://durotechindustries.com.au).



## PACKAGING

15 Litre

## LIMITATIONS

In exposed areas, DUROPROOF™ PU BLACK ANTI-ROOT should be used and then top coated with DUROPROOF™ TTC or covered with pebbles, tiles or other suitable toppings.

## PRECAUTIONS IN USE

DUROPROOF™ PU BLACK ANTI-ROOT contains solvent. Therefore, observe all the safety precautions as per the Material Safety Data Sheet available on [durotechindustries.com.au](http://durotechindustries.com.au). Ensure adequate ventilation is present when applying the product. In confined areas such as tanks ensure fresh air supply is provided and in severe cases self - contained breathing apparatus may be required. The use of gloves, goggles, coveralls and safety footwear is recommended.

## PRIMING

Surfaces should be suitably primed with DUROMIX™ HIBUILD WBE applied at no less than 1 Lt per 4m<sup>2</sup> or DUOPRIME™ PU applied at 7m<sup>2</sup> per Lt and allowed to dry. Where there is a risk of evaporation of entrapped moisture in the substrate or water vapour transmission, which may cause the membrane to bubble, apply two coats of either DUROMIX™ HIBUILD WBE or DUOPRIME™ PU.

## PRIMING & DETAILING

Prime with either DUROMIX™ HIBUILD WBE or DUOPRIME™ PU, following the product's technical data sheet. It is essential that the application of the primer is carried out correctly. Allow the final coat of primer to dry. Next, apply DUROSEAL™ 40FC or DUROSEAL™ FC PRO to all horizontal and vertical junctions such as floor to wall, and wall to wall. Apply a neat smooth fillet 15mm x 15mm fillet. Remove all sealant residues and overhangs. The sealant can be coated immediately after application with DUROPROOF™ PU BLACK ANTI-ROOT.

## JOINTS, GAPS AND CRACKS

General Joints, gaps and cracks should be suitably filled and sealed with DUROSEAL™ 40FC or DUROSEAL™ FC PRO, and allowed to cure. Recommendation: The movement of small cracks

should not be underestimated and should be at least covered with DUROSEAL™ 40FC or DUROSEAL™ FC PRO and additional coats of DUROPROOF™ PU BLACK ANTI-ROOT.

## LARGE OR LIVE CRACKS

Large cracks should be routed out to form a 'V' and then filled and sealed with DUROSEAL™ 40FC or DUROSEAL™ FC PRO. The sealant should be finished slightly proud of the surface and allowed to cure. After priming, as required, lay a strip of DUROTECH™ FLASHING TAPE SELF ADHESIVE over the joint or crack pressing it firmly on to the substrate. DUROPROOF™ PU BLACK ANTI-ROOT is then applied directly to the DUROTECH™ FLASHING TAPE SELF ADHESIVE and extending at least 75mm onto the adjacent surfaces. At least two further coats are applied of DUROPROOF™ PU BLACK ANTI-ROOT extending at least 75mm on to the adjacent surfaces. Joins - Particularly in Fibre Cement (FC) Sheetting including the butting joins of the sheet must be primed first with DUROMIX™ HIBUILD WBE or DUOPRIME™ PU and allow to cure. Caulk ALL sides to a flat level with DUROSEAL™ 40FC or DUROSEAL™ FC PRO and once cured it is covered with DUROTECH™ FLASHING TAPE SELF ADHESIVE. DUROPROOF™ PU BLACK ANTI-ROOT is then applied as described under 'Large or Live Cracks'.

**Waste Outlets & Penetrations:** Floor wastes and puddle flanges should be rebated in to the floor to allow water to readily drain. Fill all penetrations, gaps and perimeters with DUROSEAL™ 40FC or DUROSEAL™ FC PRO.

**Metal angles:** Where required by the Building Code such as external hobs and exterior door barriers and also metal corner angels under wall boards, they should be securely embedded in to a continuous, gap free bed of DUROSEAL™ 40FC or DUROSEAL™ FC PRO and prepared and primed with the correct DUROTECH™ primer prior to the application of DUROPROOF™ PU BLACK ANTI-ROOT.

## APPLICATION

Apply DUROPROOF™ PU BLACK ANTI-ROOT by brush and or roller in a minimum of two coats, usually a day a part so that the minimum dry film thickness of 1.2mm is achieved. The minimum wet coat thickness per coat is 0.75mm.

## 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™ PU BLACK ANTI-ROOT is approximately 1.8 kg/ m<sup>2</sup>. applied over 2 coats in order to achieve a dry film thickness (DFT) of 1.2mm.

## COLOUR

Black.

## 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, PU Black Eco Anti-Root will be dry to touch within 10 to 12 hours with full cure within 24 hours.

## 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. Shelf-life: 6 - 12 months in unopened container but best used within 6 months. As this is a polyurethane some skinning of the product may occur. This should be cut out and removed. Balance of the product will be suitable for use.

## CLEAN UP

Avoid spills. They are difficult to clean particularly off porous surfaces. For wet spills use a cloth and DUROPROOF™ Solvent. Do not clean off carpets as it is better to allow product to cure and then shave the carpet. Equipment should be immediately cleaned with DUROPROOF™ Solvent.

## SAFETY & PRECAUTIONS

Refer to the DUROPROOF™ PU BLACK ANTI-ROOT 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](http://durotechindustries.com.au). For further information about this product contact technical department of Durotech Industries 1300 434 272.

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