

DUROPROOF™ PU BLACK

FOR PLANTER BOXES, RETAINING WALLS AND TANKING

DUROPROOF™ PU Black membrane is, liquid applied, modified polyurethane elastomeric waterproofing membrane with Class III elongation, which when fully cured forms a permanently flexible waterproof lining to building surfaces, including reinforced concrete, block work, brick work, metal, wood, cement render, plaster board and fibre cement sheet flooring. Use is only for non-exposed areas.



PRINCIPLE CHARACTERISTICS

- Single component, no mixing
- Simple application - liquid applied
- Application by brush, spray, roller, squeegee or trowel. Non-sag for vertical surfaces.
- Excellent elasticity
- High solids, high build
- Low temperature cure
- Fast moisture cure
- Coal tar free
- May be applied over concrete, blockwork, bricks, wood, metal and stone

CLEAN UP

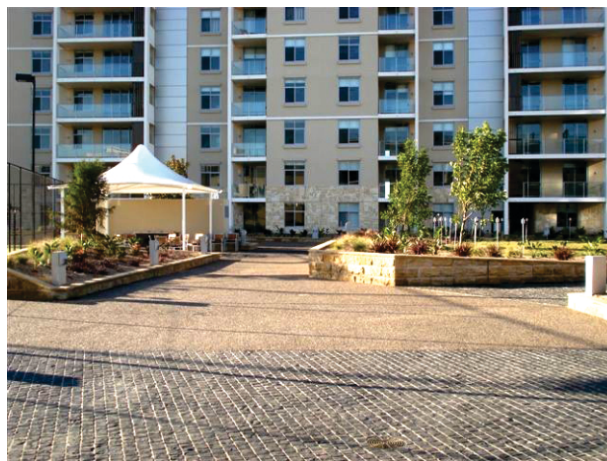
Before material cures, clean adjacent areas to remove stains or spills and clean tools with **Xylene**. Do not wash off skin with solvents, use **Handi-Clean**. Both are available from Durotech.

USE AREAS

- Planter boxes
- Tanking
- Retaining walls & below grade structures
- Balconies and podium decks
- Between concrete slabs

TECHNICAL DATA

Colour	Black
Weather Resistance	Protect from sunlight
Dry Time	12 hours @ 25 °C
Recoat Time	24 hours @ 25 °C
Floor Coverage	Minimum 2 coats, each at 1.0 litre /m ² [1.0m ² /litre]
Wet film per coat	1.00 mm thick minimum.
Dry Film Thickness	1.5 mm total minimum
Wall Coverage	Minimum 2 coats, each at 0.65 litres/m ² [1.5 m ² /litre]
Wet film per coat	0.65 mm thick minimum
Dry Film Thickness	1.0 mm total minimum
Elongation @ break	+700% @ 25 °C
Solids Content	82%
Shelf Life	8 months, unopened @ 20 °C, 50% R.H.



PACKAGING

- 18.9 litres

INSTALLATION

SURFACE PREPARATION

Ensure surfaces are firmly fixed to manufactures directions. Surface must be dry and free of dirt, dust, loose particles, oil, contaminates, curing compounds and flaking concrete etc. Concrete must be a minimum strength of 20 MPa and have cured a minimum of 28 days. Fill all screw holes, cracks and voids with **Durotech PU sealant**. Install leak control flanges around all pipe penetrations, these shall be etched primed. If concrete is not fully cured, apply **DUROMIX™WBE** as a primer.

PRIMING

DUROPROOF™ PU is self priming on most surfaces such as villaboard, sound concrete & block work. External and horizontal surfaces must be primed by thinning **Duroproof™ PU Black** (4 to 1 with Xylene) or with **Duromix™ WBE** or **Hibuild WBE** at the rate of 6m²/litre. Exposed areas such as roofs, decks etc., where PU Black will be covered by loose pebbles, soil or fill, pavers on pedestals, grates or other finishes that do not prevent water penetration, must be thoroughly primed with **Hibuild WBE**. Damp areas and areas subject to rising damp must be sealed with **DUROMIX™ WBE** or **Hibuild WBE**. Below grade tank surfaces must be thoroughly dry before priming. Allow the primer to dry completely and cure prior to membrane application.

DETAILING

Apply a 15mm fillet of **Durotech PU SEALANT** between all horizontal and horizontal joints and to all horizontal to vertical junctions and around pipe/column penetrations. Around rain water and floor waste outlets, apply membrane to 1.5mm dry film thickness and dress up to penetrations and down into waste outlets. To joins in sheet flooring, tape and bandage over the sealant -filled joint. Cut out cracks in concrete to 6mm minimum width by 6mm minimum depth and fill with **Durotech PU SEALANT**.

APPLICATION

To the prepared surface, apply **DUROPROOF™ PU Black** by brush, roller or trowel in one or more coats to achieve a minimum dry film thickness of 1.0 mm on walls and 1.5mm on floors. When dry, check for pinholes or misses and rectify if necessary. If the membrane becomes dirty or there is between coats, clean with **Durotech XYLENE** to ensure adhesion. Allow 24 hours to dry before covering.

PRECAUTIONS

Use in bathroom or other tiled areas where the final decorative finish is critical is not recommended due to the possibility of tile or grout staining. Do not apply above 30 °C or below 5 °C ambient temperature. Do not cover until fully cured. Protect membrane against damage before and during backfilling or covering with **Durotech Protection Board**. **DUROPROOF™ PU Black** should always be protected from UV exposure by covering with tile bed, sand-cement topping or soil etc. Protect membrane against the action of roots. Do not directly adhere tiles over **DUROPROOF™ PU**. Once opened, use within 24 hours as it is a humidity and moisture reactive material.



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