

DAIVAPROOF 340

SINGLE COMPONENT POLYURETHANE

WATERPROOFING MEMBRANE



DAIVAPROOF 340 is a monolithic liquid-applied waterproofing membrane which is a single component moisture curable polyurethane elastomer.

BASIC USES

DAIVAPROOF 340 is a single component system. There is no need for the mixing process, so it can be used conveniently in job site with no mixing trouble. Once cured this system provide a continuous seamless waterproofing membrane that gives excellent adhesion, impact and abrasion resistance, outstanding flexibility and chemical resistance. **DAIVAPROOF 340** is suited for waterproofing on exterior wall & roof, basement, bathroom and tank etc. For two-course concrete slab construction such as roof terraces, pedestrian area, podiums and parkings. For single-course construction such as tunnels and foundation walls.

APPLICATION INSTRUCTION

Preparation :

- A) All concrete surfaces shall have a light steel-trowel followed by a fine hair-broom or equivalent finish which is dry, sound and free of dust, oil and other contaminants. On block walls, all mortar joints shall be finished smooth and level with the block surface.
- B) Remove splatters, fins, redges or other projections to provide a smooth, level surface. Fill tie rod holes, honey combs, rock pockets, spalls or other voids and indentations with patching compound and trowel level with the surface.
- C) Structural defects such as cracks and faulty construction joints should be repaired. For non-moving structural cracks under 1.6mm shall be pretreated with not less than a 1.5mm wet film coating of **DAIVAPROOF 340** extending 76mm both of crack. For cracks of 1.6mm and over, all moving structural joints and cold joints shall be routed to 6.4mm wide x 12.5mm deep, insert backing materials and seal with **DAIVAPROOF 340**. It is then treated as a non-moving structural crack.
- D) Priming : For bitumen and asphalt surfaces, requires priming with T44 or KW 901 primer as a barrier to protect the membrane.

Application :

- A) **DAIVAPROOF 340** shall be applied by trowel, squeegee, roller or airless spray to achieve a thickness of not less than 1.5mm. It is applied at a wet film thickness of 1.5mm minimum. The newly applied membrane must be allowed to cure for a minimum of 24 hours at 25°C. Full details of suitable spraying equipment can be supplied on request.

- B) Protection : The membrane must be properly protected from damage by future operations and other trades. To protect the membrane the applicator shall install suitable protection course material applicable to jobsite conditions. Protection course must be compatible with the **DAIVAPROOF 340** membrane. Install protection course on vertical walls immediately after membrane has cured (36 hours at 25°C). Install protection course on horizontal application immediately following flood test. If flood test is delayed, install a temporary covering to protect the membrane from other trades.
- C) Flood test : Prior to placement of protection board, flood with a minimum 25.4mm of water for 48 hours. Drains shall be plugged and barriers placed to contain the water in area under test.

LIMITATIONS

Not designed for use as a finished traffic surface. Do not apply to a wet, damp or contaminated surface. Not recommend for exposed or wear surface. Metal decking must be vented.

APPLICABLE STANDRAD

ASTM Specification ASTM C 836-81.

TYPICAL PROPERTIES

Appearance	Black color polyurethane
Viscosity	8000cps @ 25°C
Tensile strength	300 psi (ASTM D412)
Tear Strength	17 kgf/cm(ASTM D624)
Elongation	500% (ASTM D412)
Hardness (shore A)	40 (ASTM D2240)

COVERAGE

1.3 Kgs is need per square meter to obtain an average wet film thickness of 1.5mm. The coverage given are only approximate and will vary with surface condition.

PACKING

18 Kgs per pail.

STORAGE

Stored at temperatures below 25°C. Shelf life is around 6 months in original, unopened containers.

CAUTION

Do not apply materials when the temperature is less than 5°C.
Ensure adequate ventilation during application.
Avoid breathe of vapors and contact of materials with skin or eyes.
Keep products away from heat, sparks and flames.
Do not use spark producing equipment during application.

Distributor