

SINGLE-PACK ELASTOMERIC MEMBRANE

Moisture-Curing, Waterproofing, Polyurethane Membrane

Description

Denso Single-Pack Elastomeric Membrane cures to form a tough, flexible, waterproofing and sealing membrane.

Uses

Waterproofing membrane compatible with metal, concrete, compressed fiber-cement sheets or timber surfaces. Ideal for sealing petrolatum tapes in the Denso Steelcoat 100 System or for sealing fabric backed bitumen tapes in the Denso Steelcoat 400 Systems.

Features

- Room temperature processing and curing
- High resistance puncture, fouling and stagnant water
- Excellent crack bridging capability
- Quick tack-free surface
- High UV resistance
- Monolithic membrane - no seams
- Elastomeric behavior - remains flexible at low temperatures
- High elongation, Class III membrane according to AS/NZS 4858
- Low VOC, complies with Green Star requirements
- Low odour

Application

Surfaces must be sound, dry, clean and free from loose materials and oil. Protrusions which may penetrate the membrane must be removed. Must not be applied on wet or damp surfaces.

A layer of diluted Single-Pack Elastomeric Membrane (diluted to 10% with xylene) can be used as a primer for dry/contaminant free concrete. The use of an epoxy primer is recommended in case of high porosity or wet concrete (humidity >5%). Compatibility of the primer with the membrane must be checked prior to application. Dilution with any solvent other than xylene is not permitted.

Application: Apply the initial coating of Denso Single-Pack Elastomeric Membrane using brush or roller to the desired thickness.

- Two coats of 900 g/m² (approx. 675 µm on a film thickness gauge) are required to achieve dry film thickness of 1 mm.
- Two coats of 1050 g/m² (approx. 790 µm on a film thickness gauge) are required to achieve a dry film thickness of 1.2 mm.

For vertical application, a coverage rate of 900 g/m² is required to avoid sagging.

Recoating: Denso Single-pack Elastomeric may be recoated with a second layer of the coating after one night and within two days. In case of rain, or if the recoating window is exceeded, substrate should be ground.



Single-Pack Elastomeric Membrane

TECHNICAL DATA

PROPERTIES	VALUE
Colour	Grey
Curing Time	16 h (overnight)
Density - Liquid (ATM D1475-13)	1.30 - 1.35 g/cm ³
Density - Cured (AS 1683.4)	1.40 - 1.45 g/cm ³
Viscosity @ 30 rpm (Brookfield)	12,000 - 18,000 cP
Shore A Hardness (AS 1683.15.2)	70
Angle Tear Strength (AS 1683.12)	20 kg/cm
Tensile Strength (AS 1683.11)	6 MPa
Elongation (AS 1683.11)	300%
Non-volatile Matter (ASTM D2369-10)	81%
VOC content (ASTM D2369-10)	250 g/L
Substrate Temperature	5°C to 35°C
Service Temperature	-20°C to 80°C
Recommended Substrate Moisture	5%
Recommended Relative Humidity	20% - 90%

STORAGE: Minimum 9 months when stored in Original containers and between 5°C to 35°C.
Moisture sensitive product: Store in a cool, dry area away from heat and direct sunlight and in tightly sealed containers. Store upside down. Keep away from oxidising agents.

CLEANING: Clean equipment with xylene, mineral turps or methylated spirits.

HEALTH AND SAFETY: Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See safety data sheets for further information.

PACKAGING: 2 L



DENSO (AUSTRALIA) PTY LTD

77 - 95 National Boulevard
Campbellfield, VIC 3061
Tel: +61 3 9356 7600
Fax: +61 3 9356 7699

www.densoaustralia.com.au

A Member of the Winn & Coales International

The information given on this sheet is intended as a general guide only and should not be used for specification purposes. We believe the information to be accurate and reliable but do not guarantee it. We assume no responsibility for the use of this information. Users must, by their own tests, determine the suitability of the products and information supplied by us for their own particular purposes. No patent liability can be assumed.