Approved Quality
Management System
AS/NZS ISO 9001:2008
Lloyds Register-Certificate
No. MEL 0927759

Technical Data Sheet

Denso Single-Pack Elastomeric Membrane

Description:	Denso Single-Pack Elastomeric Membrane cures to form a tough, flexible, waterproofing and sealing membrane
Composition:	A single component, moisture curing, polyurethane based membrane
Characteristics:	• room temperature processing and curing • high resistance to puncture, fouling and stagnant water • excellent crack bridging capability • quick tack-free surface • high UV resistance • monolithic membrane—no seams • elastomeric behaviour: remains flexible at low temperatures • high elongation, class III membrane according to AS/NZ 4858 • no reinforcement required • low VOC, complies with Green Star requirements • low odour • recommended substrate moisture: 5% • recommended relative humidity: 20-90%
Uses:	Ideal for sealing petrolatum tapes as in the Denso Steelcoat 100 System. Ideal for sealing fabric backed bitumen tapes as in the Denso Steelcoat 400/500 System. Waterproofing membrane compatible with metal, concrete, compressed fiber-cement sheets or timber surfaces.
Surface Preparation:	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.

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Application:

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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 recoated with a second layer of the coating after one night and within two days. In case or rain or if the recoating window is exceeded, substrate should be ground.

Equipment can be cleaned with xylene, mineral turps, or methylated spirit

Recommended Temperatures:
Application: + 5 to + 35 °C
Service: - 20 to + 80 °C

Shelf Life:
≥ 9 months when stored in original containers.

Storage:
Storage temperatures: 5°C to 35°C
Moisture sensitive product. Store in a cool, dry area away from heat and direct sunlight in tightly sealed containers. Keep away from oxidising agents.

Dimensions:

DENSOMEM04G	4L Tin - Grey

Physical Properties:

Test	Test Methods	Units	Value
Colou	-	-	Grey
Curing Time	-	Hours	16 (overnight)
Density (liquid)	ASTM D1475-13	g/cm^3	1.30 – 1.35
Density (cured)	AS 1683.4	g/cm^3	1.40 - 1.45
Viscosity @ 30 rpm	Brookfield	cP	12,000 – 18,000
Hardness	AS 1683.15.2	Shore A	70
Angle Tear Strength	AS 1683.12	kg/cm	20
Tensile Strength	AS 1683.11	MPa	6
Elongation	AS 1683.11	%	300
Non-volatile Matter	ASTM D2369-10	%	81
VOC Content	ASTM D2369-10	g/L	250