



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

Technical Data Sheet
ELASTOMERIC MEMBRANE
(Brush Grade)

Description:	Denso Elastomeric Membrane BG is a 100% solid, two-component urethane elastomer system that can be applied as a coating offering good mechanical properties, good chemical and UV resistance.
Composition:	A two component polyurethane system based on polyether/polyester/MDI chemistry. Contains ultraviolet (UV) light stabilizers.
Characteristics:	<ul style="list-style-type: none"> • 100 % solids content, black in colour • VOC and plasticiser free • mixing ratio 100:34, A:B by weight • room temperature processing and curing • good inter-laminar adhesion • good adhesion to well-prepared surfaces • excellent resistance to aqueous environments • good chemical resistance • good abrasion resistance • Pot Life @25°C: 15 - 20 minutes • Cure Rates: Set Cure (tack free) - 2 hours, Stable Cure - 24 hours, Complete Cure - 7 days • theoretical coverage rate: 1.0 m²/L • less hazardous during processing than similar toluenediisocyanate or solvent based systems • good resistance to hydrolysis, ageing, and micro-organism attack • mild acids and alkalis do not attack it to any significant extent, but strong acids and alkalis probably will and should be pre-tested • organic solvents can cause swelling, particularly aromatic and halogenated types
Uses:	Ideal for sealing petrolatum tapes as in the Denso Steelcoat 100 System.
Surface Preparation & Application:	<p>Denso Elastomeric Membrane BG (thixotropic) can be applied with either a brush or a roller.</p> <p>Use the Base container as your mixing vessel. Open the Base container and gently mix the contents with a flat spatula. Open the Cure bottle and add the contents to the Base container Mix the two components well for about 3 minutes with the flat spatula. The mixture will start to build viscosity after about 3 - 4 minutes.</p> <p>Equipment can be cleaned with methylene chloride, MEK or acetone. Take care when handling flammable solvents.</p> <p>It is advised that every effort should be made to coat any tape to be protected while it is moisture free and if possible the coating surface to be kept moisture free for 24 hours after application.</p> <p>Elastomer layers applied at short intervals on top of each other should bond very well except if the bottom layer has been exposed to dust and or other foreign materials that can interfere in inter-laminar adhesion.</p> <p>In the event of longer intervals (greater than 3 hours) elapsing, allow the elastomer to reach an advanced state of cure, or when renovating old linings, roughen the surface, clean and prime with a suitable bonding agent. Solvent degreasing is recommended.</p>



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Recommended Temperatures:	Application: + 15 to + 45 °C Service: - 20 to + 50 °C Peak: + 65 °C
Shelf Life: Storage:	≥ 24 months when stored in original containers. Store in a cool, dry area away from heat and direct sunlight in tightly sealed containers. Moisture sensitive product. Prolonged exposure to temperatures in excess of 30°C must be avoided.
Available Sizes:	1 Litre kits (1.3 kg).

Physical Properties:	Test	Test Method	Units	Value
	Density @25°C	ASTM D1475	kg/L	1.07
	Tensile Strength	DIN 53504	MPa	1.7 ± 0.3
	Tear Strength	DIN 53515	N/mm	2.8 ± 0.2
	Shore D Hardness, Type D2	DIN 53505 (ASTM D2240)	Duro	68 ± 2

Limitations:	Do not alter mix ratio. Mixing equipment should be cleaned with MEK, Acetone or Xylene as soon as possible.
Precautions:	Safety goggles and rubber gloves are recommended. Avoid prolonged contact with skin. In case of contact with eyes, immediately flush with water for at least 15 minutes and seek prompt medical attention. Do not take internally. Keep out of reach of children. Follow all precautions found in any available Safety Data Sheets, product labels and technical literature.