



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

Technical Data Sheet
VOID FILLER #2

Description:	A high viscosity formulated and blended petrolatum based compound.
Composition:	Blended petrolatum based compounds and additives specially formulated to displace and repel atmospheric moisture and humidity. Contains no volatile components.
Characteristics:	<ul style="list-style-type: none"> • exhibits excellent penetrating and wetting characteristics • contains no metallic soaps or volatile components • compatible with copper, brass, steel, mild steel, galvanised steel • will adhere to metal, timber, concrete or plastic substrates • stable in composition and plasticity • non hardening or cracking • accommodates vibration and extreme movement of substrate • highly resistant to mineral acids, alkalis and salts
Uses:	<p>For the encapsulation and physical protection of permanent rock anchors, anchor strands or pre-stressing strands.</p> <p>Filling of voids to prevent corrosion by the ingress of air, moisture or humidity. Designed to comply with the requirements of NSW RTA QA Specification B114, Permanent Rock Anchors (Lump Sum), Edition 2, Revision 3.</p>
Surface Preparation:	Areas to be protected should be prepared as per any applicable engineering standard and recommendations that apply to a project. This should include the removal of foreign materials and waste. For best results apply when areas are dry.
Application:	<p>Place heating bands on the drums and raise the temperature of the product to about 80°C. Once molten use a stirrer to agitate the product for five minutes. If the product is to remain molten in the drum for any extended period of time it will need to be restirred immediately prior to use.</p> <p>By pump transfer the molten product into the voids. Encapsulate substrates, fill in and saturate voids. Ensure that no air pockets are allowed to form during application.</p> <p>For localised protection product can be applied by hand at ambient conditions. Raising the product temperature slightly will allow easier application. It is recommended that Denso MP Primer be considered as an alternative for use in ambient conditions.</p>
Recommended Temperatures:	<p>Application: + 20 to + 90 °C</p> <p>Service: - 40 to + 50 °C</p> <p>Peak: + 55 °C</p>
Shelf Life:	≥ 5 years.
Storage:	Store in a cool, dry area away from direct sunlight.
Available Sizes:	20 or 200 L drums. Other sizes available by special arrangement.



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Physical Properties:	Test	Test Method	Units	Value
	Specific Gravity	ASTM D1475	kg/L	0.93
	Viscosity @25°C @70°C	ASTM D2196	cps	> 400,000 < 500
	Base (Acid) Number	ASTM D974	mg(KOH)/g	< 0.1
	Saponification	ASTM D94	mg(KOH)/g	< 5
	Ash Content @600°C	ASTM D482	%w/w	< 0.5
	Flash Point	ASTM D92	°C	≥ 200
	Drop Melting Point	ASTM D127	°C	≥ 65
	Congealing Point	ASTM D938	°C	67 ± 3
	Consistency (penetration)	ASTM D937	dmm	165 ± 15
	Oil Separation @38°C	FTMS 791C Method 321.2	%w/w	< 0.1
	Water Content	ASTM D95	%w/w	≤ 0.1
	Evaporation Loss @38°C	ASTM D972	%w/w	< 0.1
	Volatiles Content	ASTM D2369	%w/w	< 0.1
	Copper Corrosiveness	ASTM D4048	-	1a
	Corrosion Protection	ASTM D1743	-	Rated 1 No Corrosion
	Salt Spray (Fog) Exposure 500 hrs	ASTM B117	-	No Corrosion
	Oxidation Stability 100 hrs 400 hrs 1000 hrs	ASTM D942	kPa	< 20 < 40 < 80
	Chloride Ion Content	ASTM D4327	ppm	< 1
	Nitrate Ion Content	ASTM D4327	ppm	< 1
	Sulphide Ion Content	APHA Part 427	ppm	< 1
	Coefficient of Cubic Thermal Expansion	ASTM E831	/°C	0.8 x 10 ⁻³
	Electrical Volume Resistivity @20°C	ASTM C408	Ωcm	7 x 10 ¹²

Precautions:	<p>When handling use PPE that can withstand any elevated temperatures that are being used. Safety goggles, overalls and gloves are recommended as a minimum.</p> <p>In case of contact with eyes, immediately flush with water for at least 15 minutes and seek prompt medical attention.</p> <p>Do not take internally. Keep out of reach of children. Follow precautions found in any available Safety Data Sheets, product labels and technical literature.</p>
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