

DENSO VOID FILLER

Injectable Petrolatum Compound

Description

Denso Void Filler is a petrolatum compound specially formulated for hot injection into voids. The compound is based entirely on petroleum hydrocarbons with additives to displace water, inhibit corrosion, enhance adhesion and control flow.

Uses

The void filler is pumped into the voids occurring between pipes, cables, ducts and protective sleeves to exclude air and water. For the encapsulation and physical protection of permanent rock anchors, anchor strands or pre-stressing strands. Denso Void Filler is generally pumped warm and sets to a semi-solid paste to provide corrosion protection of the steel.

Features

- Non-hardening
- Excellent flexibility
- Penetrates and wets existing corrosion
- Can be pumped
- Unaffected by water, acids and salts
- Can be supplied in large quantities

Application

The void filler is heated between 176°F to 248°F (80°C to 120°C) and pumped into the lowest point until it exits the highest point in a continuous stream at about 158°F (70°C). For full long term corrosion protection it is essential to completely fill all voids between strands and ducts to exclude all air and water. Designs shall allow for expansion and contraction due to temperature change without creating pressure in the ducts.



Denso Void Filler

Property Specifications

PROPERTIES	ENGLISH	METRIC
Solids Content	100%	100%
Specific Gravity at 77°F (25°C)	.90 - .93	.90 - .93
Specific Gravity at 176°F (80°C)	.89	.89
Flash Point	365°F	180°C
Drop Point (IP 132/ASTM D566)	149 - 158°F	65 - 70°C
Congeaing Point (IP 76/ASTM D938)	140 - 158°F	60 - 70°C
Unworked Cone Penetration at 77°F (IP 179/ASTM D937)	120 - 160 dmm	120 - 160 dmm
Unworked Cone Penetration at 32°F (0°C)	70 - 90 dmm	70 - 90 dmm
Worked Cone Penetration at 77°F (25°C)	275 - 315 dmm	275 - 315 dmm
Brookfield Viscosity at 68°F (20°C)	600,000 cp	600,000 cp
Brookfield Viscosity at 104°F (40°C)	4,000-5,000 cp	4,000-5,000 cp
Brookfield Viscosity at 140°F (60°C)	500-600 cp	500-600 cp
Brookfield Viscosity at 176°F (80°C)	50-100 cp	50-100 cp
Brookfield Viscosity at 194°F (90°C)	20-30 cp	20-30 cp
Application Temperature	68 - 176°F	20 - 80°C
Maximum Continuous Operating Temperature	104°F	40°C

PACKAGING:
200 L drum



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