Guardian Void Filler

GUARDIAN PROTECTIVE COATINGS

Guardian Void Filler consists of a permanently plastic petrolatum, microcrystalline waxes, inert fillers, corrosion inhibitors and thermal extenders. The compound is designed to specifically provide protection in areas were access is difficult by the process of fluid pressure injection.

BENEFITS

- It displaces surface moisture, passivates surface rust and is resistant to acids, alkalis and salt solutions.
- It is specifically designed to be unyielding to moisture but to remain plastic in nature and to be pumped into pipe case annulus or for the protection of Prestress cables.
- No light oils are utilized within the formulation of the Guardian Void Filler that ensures no separation of the oils once the material is installed into the void.
- It installed into the void provides the substrate good intimate contact with the surface of pipe, tie rod or prestress cable and ensures a long-term protection.

PROPERTIES

Property	Value	
Specific Gravity	0.9 APPROX	
Cone Penetration 25ºC	85-110ºC	ASTM D937
Application Temperature	80ºC	
Congealing Point	69ºC	ASTM D938
Viscosity at 10ºC	21ºC	ASTM D445
Packaging	20 Litre Drums, 205 Litre Drums	

ORDERING INFORMATION

Part No.	Weight
FG001492	**200 Kg**

APPLICATIONS

It is recommended for use were the filling of a void is required, which can be Pipeline cased crossings, Tie Rod casings and Prestress anchorage systems. These are only a few applications to be mentioned with many other possibilities for corrosion protection of voids or cavities. (On site electric heat bands are fitted around the drum of the Guardian Void Filler with the lid removed and left overnight to heat to approx 80ºC.)

PUMPING FROM DRUM - A temporary air release hole in the casing void is necessary for the removal of air and excess compound. It is suggested that you consult a pump specialist to determine the correct pump however a Gear, double diaphragm or concrete pump should be suitable. Once the pump and the connection of flow lines are complete, the hot void-filler at approx 80 is pumped into the pipe casing releasing the air and excess compound at the opposite end into an overflow drum. If the void is located on an incline, then proceed to ensure the air release is located at the highest point. The overflow line may also be returned to the drum until the void is full.

FILLING OF VOID BY SUCTION - In this method connection of the flow line is at the air release end of the casing with the supply of product sucked into the void by a vacuum pump after all the air is expelled from the void. It is recommended you consult your pump specialist with regards to a suitable vacuum pump.

CLEANING - After void is filled Flush all flow lines and pump with solvent to prevent compound from hardening within the Pumping System. Pump and hoses will require overhauling and cleaning if a solvent flush is not completed.