

VINYGARDE GF 100

Revised Date: 10/12/2021

PRODUCT DESCRIPTION

VINYLGARDE GF 100 is solvent free vinyl ester glass flake reinforce coating withstands wide range of chemical liquids and cargos. It is designed for long term corrosion protection where future maintenance is challenging or impossible. It is a mono coat, high build and fast curing attributes to minimum down time in maintenance painting. It is excellent in both immersed and atmospheric conditions.

RECOMMENDED USES

1. Pressure vessel
2. Chemical storage tank
3. Fuel storage tank
4. Tidal zones
5. Underground pipe line

PRODUCT FEATURES

1. Acid & alkali resistance
2. Chemical & oil resistance
3. Heat resistance upto 150°C
4. Water impermeable
5. Thermal shock resistance

TECHNICAL DATA

Generic	: Modified epoxy vinyl ester
Finish	: Semi gloss
Colour	: Grey, Black, white
Flash point	: 36 °C
Volume solid	: 98±2 %(ISO:3233:1998)
Mixing Ratio	: 2packs, 100 base : 1 Peroxide (by volume)
Wet film thickness	: 500-1000 microns
Dry film thickness	: 500-1000 microns
Specific gravity	: 1.45kg / litre
Theoretical coverage	: Approx 1.33m ² /litre/coat@ 750 microns
Drying time (30 °C)	: Surface Dry :1hrs @30°C Hard dry : 2 hours@30°C
Pot life (30 °C)	: 30 mins
Painting interval	: Min: 2 hrs Max: 24 hours
Thinner	: N/A
Method of application	: Airless spray, spray tip (0.0025"~0.0031")
Packing	: 20 litre

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SURFACE PREPARATION

Prior application of VINYGARDE GF 100, steel surface should be abrasive cleaned to SSPC-SP10 with abrasive sizes (30-60mesh). Anchor profile of above 50 microns is highly recommended for such high build coating. Ensure blasted steel surface are grease free, air blow and solvent wiping to remove dust and oil stains respectively.

COATING SYSTEMS

VINYGARDE GF 100 is multi tasks and mono coat, no primer is required in paint system. Should a much longer steel protection is needed, it is advisable to paint multiple coatings to a higher paint thickness up to 1500 microns.

APPLICATION DETAILS

Mix VINYGARDE GF 100 Part A with mechanical agitator before adding part B, ensure Part A is homogeneous and no settlement in remaining, Add in Part B and stir well with a mechanical agitator till homogenous. Avoid excessive agitating, it will create bubbles which take times to disappeared and could lead to pin holing.

STORAGES

VINYGARDE GF 100 has only 6 months in shelf ife, the surrounding temperature could even shorten if it becomes warmer. It is advisable to store in a cool ventilated room.

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