

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

SUREGLASS 241 GLASSFLAKE EPOXY TANK LINING

DESCRIPTION

A versatile and durable coating with excellent use for potable water and chemical tank lining as well as floor coating. The high solids amine cured glassflakes epoxy system for de-mineralised water, methanol/water mixture, diesel and aviation fuels and also a wide range of chemicals. The glassflakes form layers of impermeable barrier against attack by water and other corrosive chemicals.

RECOMMENDED USES

Suitable for tank lining for a wide range of cargoes including fresh water and dry food. Recommended as floor coating with good abrasion and chemical resistance. Suitable to be applied over steel and concrete surfaces.

ADVANTAGES

- Hard surface – excellent abrasion resistant.
- Excellent adhesion to concrete, masonry and steel surfaces.
- Good resistance against wide range of industrial chemicals.
- Easy application – simple mixing and application procedures.
- Hygienic – impervious finish provides easily cleaned surface.
- Suitable for contact with food and potable water.

CHEMICAL RESISTANCE GUIDE

<u>Exposure</u>	<u>Immersion</u>	<u>Splash & Spillage</u>
Acids	Good	Excellent
Alkali	Good	Excellent
Solvents	Excellent (*)	Excellent
Salt water	Excellent	Excellent
Water	Excellent	Excellent

(*) For white spirit, diesel and aviation fuel.

PHYSICAL DATA

Finish	: Gloss
Volume Solids	: 90 ± 2 %
No. of Components	: Two
Mixing Ratio	: 4 part A to 1 part B by volume
Recommended Thickness	: 75 to 125 microns DFT per coat
Theoretical Coverage	: 10 m ² /Kg @ 75 microns DF
No. of coats recommended	: Two or Three
Drying Time	: To touch – 3 hours Top coat – 16 hours
Pot life	: 4 hours
Packing Size	: 5 kg and 20 kg

APPLICATION INSTRUCTIONS

SURFACE PREPARATION :

The surface to be coated must be thoroughly cleaned and degreased to ensure that oil, grease and other surface contaminants are removed. Surface dust must be removed using industrial vacuum cleaner. Fins and protrusions shall be removed by stoning, sanding and grinding. New concrete shall be allowed to cure for at least 28 days before application of **Sureglass 241**.

Steel surface shall be dry abrasive blasted in accordance with ISO Sa2.5 or SSPC-SP10 near white metal finish with minimum 35 to 50 microns blast profile.

MIXING : Stir Part A thoroughly in the containers with power mixer, then pour Part B into Part A in the pre-weighed packing and continue to stir. Mix to a uniform consistency before thinning.

THINNING : Thin not more than 10% by volume with PLC Thinner #3 for workability.

APPLICATION : **Sureglass 241** can be applied by rollers, brushers or spraying equipment but spraying is preferred for tank lining to obtain uniform coating thickness. Stripe coat with brush for corners and edges before overlapping between each pass. For application in enclosed area, provide sufficient ventilation to ensure no entrapment of solvent vapour that might cause explosion.

CLEANING : All application tools and equipment must be cleaned with PLC Cleaner #2 immediately after use.