

427 GLASS FLAKE REINFORCED VINYL ESTER

MATERIAL TYPE:

A two component high build high solid glass flake reinforced vinyl ester coating with anti-corrosive pigmentation.

RECOMMENDED USE:

Designed to be a high build glass flake reinforced vinyl ester coating suitable for immersion service of highly corrosive material.

This product forms an excellent protection against liquid permeation and this contributes to the extremely high resistance to chemicals.

It can be applied over steel and concrete surface subjected to exposure of corrosive chemicals or immersion of highly corrosive chemicals or solvents.

A superior tank lining that can withstand a wide spectrum of liquid and solid cargoes.

Most suitable for chemical tank lining for corrosive chemicals as well as the protective floor topping for areas subjected to splash and spillage of chemicals.

PRODUCT DATA:

- ◆ Excellent anti-corrosive performance.
- ◆ Excellent resistance to corrosive chemicals (acid/alkali).
- ◆ Excellent resistance to moisture.
- ◆ Moderate resistance to aliphatic solvents.

PHYSICAL DATA:

Volume Solid	98%
Theoretical Coverage	1.96 m ² /litre @ 500 microns DFT
Type	2 components
Packing Ratio	5 litres Resin with 1-2% additive (by volume)
Colour Availability	Off White, Grey
Flash Point	31°C (mixed)
Recommended Thickness	500 microns DFT
Recommended Thinner	None

APPLICATION:

PRACTICAL APPLICATION RATES

Micron Per Coat	Airless Spray
Dry	500
Wet	510

AVERAGE DRYING TIME

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		Potlife
			Minimum	Maximum	
15°C	4 hours	24 hours	24 hours	10 days	1.5 hours
25°C	2 hours	2 hours	16 hours	8 days	1 hours
35°C	45 minutes	12 hours	1 hours	4 days	0.5 hours

Application Method	Airless Spray.
Mixing Ratio (by volume)	None
Thinner	None
	Thinner No. 13 (for cleaning only)



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Airless Spray	Nozzle Size	: 0.38-0.53mm (18-21 thou)
	Fan Angle	: 65°
	Operating Pressure	: 210 kg/cm ² (3000 psi)



65° Spraying Tip

SURFACE PREPARATION:

Steel : Abrasive blast clean to a minimum standard of Sa2.5 (ISO8501-1:1:1988) or SSPC-SP10.

For optimum performance and for highly corrosive conditions, blasting to Sa3/First Quality or SSPC-SP5 is recommended.

An average surface profile of 50-75 microns is required.

The surface to be coated must clean and dry and free from all visible traces of surface contaminants.

APPLICATION CONDITIONS AND OVERCOATING:

This product should preferably be applied at temperature in excess of 10°C, In conditions of high relative humidity i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point.

At application temperature below 10°C, drying and curing time will be significantly impaired.

Application at temperature below 5°C is not recommended.

Noted:

For optimum immersion service property, normal full cure must be achieved ie. 72 hours@25°C (post curing at 80-100°C will shorten the cure time to 3 hours and maybe the recommended fro some aggressive environment.)

The reaction between the base component and catalyst is highly exothermic deviation.

From the recommended mixing ratio should not be undertaken without first consulting **Alspect Group** representative.

If it is desired to overcoat outside the times stated on the data sheet, please seek advice from **Alspect** representative.