

## TECHNICAL DATA SHEET

## D330-02 HI TEMP VE

V1-30/03/2024

### DESCRIPTION

D330-02 Hi Temp VE is a heavy-duty glass flake filled vinyl ester lining. It is recommended for the lining of chemical storage tanks and vessels where acidic chemicals and hot media are stored.

### PROPERTIES

- Excellent Corrosion Resistance
- Good Abrasion Resistance
- Good Erosion Resistance
- Very Low Permeability
- Excellent Chemical Resistance
- Very Good Application Properties
- High Temperature Tolerance
- Excellent Undercutting Resistance
- Excellent Repairability
- Rapid Cure

### RECOMMENDED AREAS FOR USE

Used in the mining, railcar, petrochemical, wastewater treatment and power industries for the lining of tanks and process vessels.

<b>COLOUR</b>	: Off White
<b>Nº. OF COMPONENTS</b>	: 2
<b>MIXING RATIO (WEIGHT)</b>	: 1.5% Hi Temp Catalyst
<b>FLASH POINT</b>	: 31°C
<b>VOLUME SOLIDS</b>	: 98%
<b>MIXED DENSITY</b>	: 1.22
<b>PRACTICAL SPREAD RATES</b>	: 1.98m <sup>2</sup> /ℓ
<b>DRY FILM THICKNESS (PER COAT)</b>	: 350 - 500 µm
<b>POT LIFE @ 25°C</b>	: 40 - 60 min
<b>HARD DRY @ 25°C</b>	: 4 hrs
<b>PRACTICAL CURE @ 25°C</b>	: 8 hrs
<b>FULL CURE</b>	: 3 days
<b>OVERCOATING TIME</b>	: 6 hrs - 7 days
<b>APPLICATION TEMPERATURE</b>	: 10 to 40°C
<b>SUBSTRATE TEMPERATURE</b>	: Min: 10°C : 3°C above dew point
<b>RELATIVE HUMIDITY</b>	: Max: 85%
<b>OPERATING TEMPERATURE</b>	: -20 to +100°C (Immersed) : Up to 170°C (Non-Immersed)
<b>RECOMMENDED NO. OF COATS</b>	: 2 - 3
<b>APPLICATION METHOD</b>	: Brush, Roller & Airless Spray
<b>CLEANING SOLVENT</b>	: Acetone
<b>STORAGE TEMPERATURE</b>	: 10 to 20°C
<b>SHELF LIFE</b>	: 6 months
<b>PACK SIZE</b>	: 1, 5 & 20 Kg

### CHEMICAL RESISTANCE

Resistant to most corrosive mineral acids & alkalis, petroleum products, aliphatic solvents, oxidizing chemicals & salt water.

### SURFACE PREPARATION

All surfaces must be clean, mechanically sound and free of oil, dirt & dust.  
Grit blast steel to SA 2½ minimum to achieve a surface profile of 75 - 100µm.  
Vacuum clean dust and debris.

Soluble chloride levels to be below 25mg/m<sup>2</sup> for ambient temperature.

### MIXING

Add the catalyst to the base and thoroughly mix using a mechanical whip.  
The resin should be kept between 20 and 25°C prior to addition of 1.5% catalyst.  
Never less than 1% catalyst.

Only catalyse sufficient material that can be used in 30 minutes.

### APPLICATION

Apply by brush, roller or airless spray in 2 or 3 coats at a uniform thickness of 500 microns each.

Airless Spray Details:

Pump: 45:1 ratio or greater. Remove filters. 10 mm diameter hose.

Spray Nozzle Tip Size: 0.8 to 1.25mm (32 to 50 thou).

Pressure at Tip: +/-200 Bar.

### TOXICITY

In confined spaces use correct lighting, ventilation, and breathing equipment due to styrene fumes.  
Although D330-02 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional vinyl ester resin systems are adhered to. Refer to the 16-point Material Safety Data Sheet.

### HOW TO SPECIFY

All substrates to be prepared and lined with D330-02 Hi Temp VE in accordance with the manufacturer's instructions.

*The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.*