

TECHNICAL DATA SHEET

D32 5

HI WEAR VINYL ESTER (SG)

V1-30/03/2024

DESCRIPTION

D322 Hi Wear Vinyl Ester is an advanced Vinyl Ester system containing glass flake and silicon carbide, especially designed to give long lasting chemical resistance and protection to plant equipment subjected to high abrasion.

PROPERTIES

- Excellent Abrasion Resistance:
 - 175mg loss / 1000 cycles / 1kg load / H18 wheel.
- Barcol Hardness: >45 fully cured
- Dielectric Strength: 18-20v/mm
- Excellent Chemical Resistance
- Excellent Corrosion Resistance
- Excellent Erosion Resistance
- Rapid Cure
- High Temperature Tolerance

RECOMMENDED AREAS FOR USE

Lining of equipment subject to abrasion, such as:

- Slurry lines
- Feed chutes
- Hoppers
- Chests and settling tanks
- Cyclones etc.

COLOUR	: Light Blue
Nº. OF COMPONENTS	: 2
MIXING RATIO (WEIGHT)	: 1.5% Hi Wear VE Catalyst
FLASH POINT	: 31°C
VOLUME SOLIDS	: 98%
MIXED DENSITY	: 1.28
PRACTICAL SPREAD RATES	: 1.98m ² /ℓ
DRY FILM THICKNESS (PER COAT)	: 350 - 500 µm
POT LIFE @ 25°C	: 40 - 60 min
HARD DRY @ 25°C	: 4 hrs
PRACTICAL CURE @ 25°C	: 8 hrs
FULL CURE	: 3 days
OVERCOATING TIME	: 6 - 24 hrs
APPLICATION TEMPERATURE	: 10 to 40°C
OPERATING TEMPERATURE	: -20 to +100°C (Immersed) : Up to 170°C (Non-Immersed)
RECOMMENDED NO. OF COATS	: 2 - 3
APPLICATION METHOD	: Airless Spray
CLEANING SOLVENT	: Acetone
STORAGE TEMPERATURE	: 10 to 20°C
SHELF LIFE	: 6 months
PACK SIZE	: 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 to achieve a minimum angular profile of 125µm.

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 Airless Spray 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.
Brush coat only for stripe coating.

TOXICITY

In confined spaces use correct lighting, ventilation, and breathing equipment due to styrene fumes. Although D325 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 D325 Hi Wear Vinyl Ester 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.