

TECHNICAL DATA SHEET

D522 HI-FLO 500E

V1-18/05/2024

DESCRIPTION

D522 is a highly glass flake filled, solvent free epoxy coating designed to increase the performance of pumping systems with an ultra-high gloss surface finish that improves fluid flow.

PROPERTIES

- Good Chemical Resistance
- Good Abrasion Resistance
- Good Erosion Resistance
- Excellent Corrosion Resistance
- Friction Reducing
- Very Low Permeability
- Very Good Application Properties
- Solvent Free

RECOMMENDED AREAS FOR USE

Cooling water systems, power generation, water and waste treatment plants, irrigation pumps and filters.

COLOUR	: Transparent Blue
Nº. OF COMPONENTS	: 2
MIXING RATIO (WEIGHT)	: 2 : 1
CONSISTENCY	: Thick Liquid
VOLUME SOLIDS	: 100%
MIXED DENSITY	: 1.19
SPREAD RATES	: 2.8 – 4.0m ² /ℓ
DRY FILM THICKNESS (PER COAT)	: 250 - 350µm
POT LIFE @ 25°C	: 30 min
TOUCH DRY @ 25°C	: 4 hrs
PRACTICAL CURE @ 25°C	: 24 hrs
OVERCOATING TIMES	: Min: 6 hrs : Max: 24 hrs
FULL CURE	: 7 days
APPLICATION TEMPERATURE	: 10 to 40°C
OPERATING TEMPERATURE	: -20°C to +60°C
CLEANING SOLVENT	: Epoxy Thinners
RECOMMENDED NO. OF COATS	: 2
STORAGE TEMPERATURE	: 10 to 40°C
SHELF LIFE	: 12 months
PACK SIZE	: 3 & 15kg

CHEMICAL RESISTANCE

Resistant to most dilute acids & alkalis, petroleum products & salt water.

SURFACE PREPARATION

All surfaces must be clean, mechanically sound and free of oil, dirt & dust.
Grit-blast to Sa2½ (ISO 8501-1:1988) with a minimum angular profile of 75µm.
Ensure soluble salts are removed by high pressure washing with D711 Salt Solve Pro.

APPLICATION

Application by brush, roller or spray.
Apply 2 coats of D522 @ 250 - 350µm DFT/coat.
Achieve a minimum total DFT of 500µm.

TOXICITY

Please read instructions on container.
Avoid skin contact, do not inhale vapours.
SKIN: Wash well with soap & water.
EYES: Flush with water & immediately seek medical attention.
Read the 16-point Material Safety Data Sheet.

HOW TO SPECIFY

All surfaces to be prepared and coated with D522 in accordance with the manufacturer's instructions.