

DESCRIPTION

UFLEX VS acid proof special coating is formulated from novolac-based vinyl ester designed to provide exceptional mechanical properties at higher temperatures, FGD units, flooring system and acid tanks, 100% solid-free and solvent free, resistant to aggressive chemicals and aggressive environments.

APPLICATION

The application area should be clean dry and free from contamination as oil and dust. It should be prepared with suitable primer before the application. UFLEX VS is recommended for most aggressive processes including hand lay-up and spray-up coating progress. Ambient temperature should be 10-40° C. It can be applied to the prepared surfaces by a roller, brush, trowel or airless. The consumption may change regarding to thickness, surface and application conditions. The technical properties provide typical(1) gel times using Uflex Hardener products to use with. It can be applied in mat layer systems to use with Primer (50-100 microns), Basecoat (Resin+Powder, 1200-1500 microns, Glass Mat Layer (800 microns), Topcoat (Resin+Powder, 1200-1500 microns). Total thickness 3-4 mm.

USAGE

- Caustic scrubbing and storage
- Waste treatment facilities
- Petrochemical plants
- FGD Units
- Chemical areas
- Acid storage tanks
- Marine and vessels
- Indoor facilities

PROPERTIES

- Smooth surface features
- High abrasion resistance
- Crack bridging capability with lay-up system
- Resistant to aggressive chemicals
- Dirt-proof and hygienic
- Suitable for vehicle traffic
- High temperature resistance
- Suitable for steel and concrete

All data mentioned on this technical data sheet are product descriptions. They are the result of general experience and experiments and don't take any specific application into account. No further demands may be derived from these data.

TECHNICAL PROPERTIES

Description	Value
Volume Solids	%100 reactive
Dynamic Viscosity	325 mPa:s (cps)
Barcol Hardness	40 ASTM D2583
Tensile Strength	85 MPa
Density	1.08 kg/l
Flexural Strength	130 MPa
Volume Shrinkage	%8.3
Tensile Modulus	3600 MPa
Flexural Modulus	3800 MPa
Shelf Life	6 months

CURING TIMES (30°C)

Description	Hardener
30 +/-5 minutes	0,05

p/hr = parts per hundred resin

PACKING

UFLEX VS = 20 kg or 25 kg set It should be stored at below 25 ° C in dry environment in packaging. The opened product should be consumed in a short time. Shelf life is 6 months.

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