IL FIORE DELLA PITTURA
vernital

SCHEDA TECNICA

VINILVEREPOS Epoxy Finish

SERIE. 35620000

Description	General purpose two component high build polyamide cured recoatable epoxy coating
Use and principal characteristic	• Epoxy build coat or finish in protective coating systems for steel and concrete structures exposed to atmospheric land and marine conditions. • Can be recoat with two component and conventional coatings even after long weathering periods. • Excellent durability. • Tough, with long term flexibility. • Will cure even at temperature down to -10C. • A high relative humidity max 95%, during application and curing does not influence the quality of the coating. • Easy application, both by airless spray and brush • Not suggested for exposure to solvents and foodstuffs • Heat resisting 80- 90C continuous

Resistance to

Exposure	Immersion	Fumes
Acids, Dilute	Good	Very Good
Alkalies,Dilute	Very Good	Very Good
Salts	Excellent	Excellent
Water	Excellent	Excellent

Flexibility	Excellent
Weathering	Very good
Adesion resistance	Excellent
Abrasion resistance	Excellent
Basic data at 20°	
Colour and gloss	R.A.L. - Semigloss
Mass density	approx. 1,42 kg/dm3
Solids content by volume	approx. 58 % by volume
Recommended dry film thickness	75- 100 m in one coat application
Coverage theoretical	4,15 m2/kg for 100 m. The practical coverage will be less, depending on application technique, job conditions and type of surface to be coated

Set - to - touch

2 - hours, at 20° C

Full cured

4 days at 20° C- see additional data

Overcoating interval

minimum : 3 hours. see additional data
maximum : unlimited

Shelf life

Base: al least 24 months when stored cool and dry
Hardener: al least 24 months when stored cool and dry

Shipping weight

Base	35620000	25 - 5 kgs
Hardener	35120144	3,5 - 0,7 kgs
Thinner	25100200	25 - 5 Lt

Flash point (DIN 53213)

Base	27° C
Hardener	25° C
Thinner	24° C

Surface preparation and application condition

Previous coat; dry and free from any contamination and sufficiently roughened if necessary. During application and curing a substrate temperature down to -10°C is acceptable provided the substrate is free from water or ice. Substrate temperature should be al least 3°C above dew point.

Material preparation

Product is supplied in pre measured standard pails so that the right ratio is reached by mixing one pail of base product with one pail of binder . If smaller quantities are required, the ratio by weight is:
Base product 100 p.
Hardener 14 p.
Thinner should be added after mixing the components.
The temperature of the mixed base and hardener should be above 15°C otherwise extra solvent may be required to obtain application viscosity.
Too much solvent results in lower sag resistance and slower cure
Very good mechanical mixing of base and hardener is essential in view of the viscous condition of the components.

Introduction time

nonenone; 20 minutes if applied at temperatures below 10°C

Pot Life a 20° C

8 hours; see additional data

Airless spray

Recommended thinner	cod. 25100200 up to 5% for a one coat application of 200 m dft up to 10% for a one coat application of 75 - 10 m dft
Nozzle orifice	approx. 0,58 - 0,79 mm (=0,023-0,031 inch)
Nozzle pressure	15 MPa (= approx. 150 at. - 2100 p.s.i.)

Compression ratio

45:1

Nozzle orifice

approx.0,48 - 0,53 mm (=0,019-0,021 inch)

Nozzle pressure

15 MPa (= approx. 150 at. - 2100 p.s.i.)

Air spray

Recommended thinner	cod. 25100200; 10 - 15%, depending on dft to be applied
Nozzle orifice	1.5 - 3, mm
Nozzle pressure	0,3 - 0,4 MPa (= approx. 3 - 4 at. - 43 - 57 p.s.i.)

Brush/Roller

- not recommended, only for spot repair and stripe coating
- due to thixotropic it is difficult to obtain a smooth film by brush but this will not affect the performance

Cleaning solvent

Thinner cod. 99100151

Additional Data

Pot life (at application viscosity)

10°C	16 hours	
20°C	8 hours	the figures are valid for
30°C	5 hours	quantities of approx. 6 kgs
35°C	4 hours	
40°C	2 hours	

Overcoating table for Vinilverepos Finish

Substrate temperature	-5° C	10° C	20° C	30° C	40° C
Minimum interval	36 h	4 h	3 h	2 h	2 h
Maximum interval	no limitation, when cleaned from chalking and contamination				

Overcoating table for alkyd, chlorinated rubber, polyurethane paint

Substrate temperature	0°C	10°C	20°C	30°C	40°C
Minimum interval	4 days	1 day	12h	8h	6h
maximum interval	no limitation, when cleaned from chalking and contamination; glossy finishes require an undercoat				

Overcoating table epoxy and vinyl paints

Substrate temperature	0°C	10°C	20°C	30°C	40°C
Minimum interval	8 days	3 day	20h	10h	8h
maximum interval	no limitation, when cleaned from chalking and contamination; glossy finishes require an undercoat				

Note

Vinilverepos Finish should not be overcoated with a coal tar epoxy

Curing table

Substrate temperature	dry to handle	
-10°C	24 - 48 hours	20 days
-5°C	24 - 30 hours	14 days
0°C	18 - 24 hours	10 days
5°C	18 hours	8 days
10°C	12 hours	6 days
15°C	8 hours	5 days
20°C	6 hours	4 days
30°C	4 hours	3 days
40°C	3 hours	2 days

* adequate ventilation is required during application and curing