Marten Epoxy Flooring 646

Description A two component solvent system based on epoxy resin and polyamide curing agent.

Principal uses

- For interior use.
- Good abrasion and impact resistance
- Good flow properties
- Can be used as primer and buildcoat and finish as part of a concrete flooring system.
- Resistance to acids, alkalis , salts, solvents, and water.
- Easy to Resistant to splash and spillage of mild chemical and solvents.
- Excellent clean

Characteristics

Color	: Grey – or according to Martensons' color card
Finish	: Gloss
Specific gravity	: Approx. 1.42 g /cm³
Volume solids (%)	: Approx. 54 - 55 %
Theoretical coverage	: Approx. 10 - 11 m² / lt. (50 µm) Depends upon substrate condition and method of application .
Drying time	: Approx. 3 – 4 hours.
Overcoat interval	: Min. overnight.
Mixing ratio	: 3:1 base : hardener
Shelf life	: 12 months from the date of production (stored in a dry and cool place).
Full cure after	: 7 days
Flash point	: base 40ºC and hardener 35ºC

Surface preparation and condition

- New and previously painted surfaces should be dry and free from all loose and flaking materials, dirt, grease, wax, and similar contamination.
- Substrate temperature should not be less than 5ºC and at least 3°C higher than the dew point.

New substrate :

- Concrete floors should be fully cured at least for 28 days , laitance must be
- Removed by light sand blasting , or by acid etching , followed by washing with clean water.

Previously painted surfaces :

- Clean as recommended above , check if floor paint is compatible with present coating . Spot prime the bare areas by sanding. If the old paint is in poor condition , remove all the loose and peeling paint by scrapping and sanding , and cleaning all the surface.
- When mixing two components part (A) and part (B) , the mixing should
- be thorough and the mixture should be allowed to stand for 10 minutes before application start. Failure to do this results in uneven cure and surface defects.
- Humidity during application should not be higher than 85%
- Mixing ratio : by volume : base to hardener 3 : 1
- The temperature of the mixed base and hardener should be above 15ºC, otherwise extra solvent may be required to obtain the correct application viscosity.
- Thinner should not be added after proper mixing of the base and hardener.
- Two much solvent will result in lower sag resistance and slower cure .

Application guide line

Instrument for use

(Brush and Roller)

Volume of thinner : approx.5 – 10 %

Recommended thinner : Epoxy reducer TN - 05

(Airless spray)

Volume of thinner	: approx. 0 – 5 %
Recommended thinner	: Epoxy reducer TN - 05
(Air spray)	
Volume of thinner	: approx.10 – 20 %
Recommended thinner	: Epoxy reducer TN - 05
Cleaning Solvent	: Epoxy reducer TN - 05