

SIPOXY-SHIELD 297

Polyamide High Build Epoxy Coating

Product No. 6297

Features

- Tough High Solids, High-Build Epoxy.
- Excellent Resistance Properties:
Fresh & salt water, alkalies and salts, Spillage of solvents and dilute acids.
- Versatile:
Can be a finish coating.
Can be top coated with epoxy or urethane finish coats.
- Good Cure and Easy Application Properties.

Recommended Use

- Decks and Floors
- Marine Environments:
Ships, barges and offshore structures above water areas.
- Industrial Environments:
Pulp and Paper, Fertilizer, Chemical Process, Sewage and Waste Plants, Refineries.

Physical Data

Finish	: Semi-Gloss
Colours	: White, Oxide Red, Grey, Yellow
Volume Solids	: 75%
Recommended Film Thickness	: 100 - 150 microns dry = 133 - 200 microns wet
Theoretical Coverage	: 7.5 m ² /ltr. at 100 microns

Density (mixed)	: 1.5 kg/ltr.
Drying Times	: <u>25°C / 65%RH</u>
Dry to Recoat	: 4 Hour
Hard Dry	: 8 Hours
Heat Resistant	: 121°C dry
Flash Point	: 38°C

Specification Data

Preparation

All surfaces must be free of grease, oil, and moisture and other foreign matter and be properly primed with a compatible primer such as SIPRIME 215, SIPZINC 110, SIPZINC 140 or SIPZINC 150.

For Concrete, the surface has to be thoroughly dry. All dirt, dust and loose particles have to be removed, preferably by means of a light grit blast.

Prime with SIPSEAL 220 or SIPOXY-SHIELD 297, thinned 20% with Thinner 740.

Paint System

For Floor Coating, additional anti-skid properties can be obtained by scattering SIPCO Anti-Slip Aggregate on to the first applied coat whilst it is still wet.

SIPCO Anti-Slip Aggregate comes in two grades : 1960 Fine and 1970 Medium coarse grade.

Application Data

Mixing Ratio by Volume	Base : 1 part Hardener : 1 part
Mixing Advice	SIPOXY-SHIELD 297 Coating is a two component product supplied in 20 ltr. and 5 ltr. kits which contain the proper ratio of ingredients. The entire contents of each container must be mixed together. Power mix the base portion first to obtain a smooth, homogeneous condition. After mixing the base portion for 5 to 10 minutes, add the hardener slowly with continued agitation. After the hardener has been added, continue to mix slowly until homogeneous.
Thinning	Thinner 740 Thinning is not normally required or desired; however, at lower temperatures, small amounts (10% or less) of Thinner 740 can be added . Any solvent addition should be made after the two components are thoroughly mixed.
Induction Time	SIPOXY-SHIELD 297 requires a 15 minutes induction time at 25°C.
Pot Life	4 hours at 25°C.
Application Details	SIPOXY-SHIELD 297 Coating can be applied by both conventional air spray, airless spray equipment and roller. For air spray application, a fluid tip of .070" to .086". Where airless equipment is used, a 30 : 1 pump and .019" to .023" tip size will provide a good spray pattern. For touch-up work, SIPOXY-SHIELD 297 coating can be applied by brush or roller. For application by roller use Thinner 740 upto 20% by volume for the first coat only, depending upon porosity of the surface.
Cleaning of Equipment	Use Thinner 740 or 730.

Storage Information

Pack Size	5 and 20 ltr. two component kits.
Storage	Store generally in original sealed container, indoors, at a temperature between 5 and 40°C and relative humidity below 70%.
Shelf Life	1 Year

Safety Information

See the material safety data sheet and product label for complete safety and precaution requirements.

Disclaimer

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