

SIPOXY-GUARD 276

Abrasion Resistant Epoxy Coating

Product No. 6276

Features

- **Abrasion Resistance:**
Tough epoxy binder and special hard reinforcing minerals outwear glass flake polyesters.
- **Impact Resistance:**
Resists heavy direct impacts without delamination or separation.
- **Excellent Water & Chemical Resistance:**
Resist many chemicals and solvents and sea water immersion.
- **Versatility:**
Suitable for many areas subject to mechanical damage.
Compatible with anti-fouling paints.
- **Excellent low temperature cure.**

Recommended use

- Sipoxy-Guard 276 Coating is designed to protect surfaces subject to unusual abrasive and wear conditions common to many heavy duty marine and industrial service operations:
- Under water hull areas such as bulbous bows, keel strakes, rudders, rakes, bottom flats, chain and ice damages areas.
- Areas of high fender abrasion or impact on the boot top and the free board.
- Work decks, cargo loading areas and walkways.
- Work boats, supply vessels, tugs, barges, cargo vessels, offshore structures and fish boats.
- Cargo holds, vehicle decks, lash holds, dry-docks and other areas subject top heavy-duty service conditions.
- Pipe linings, drill pipe storage areas and other surfaces subject to corrosive wear.

Physical Data

Finish	: Semi-Gloss
Colours	: Oxide Red, Grey and Black
Volume Solids	: 78%
Recommended Film Thickness:	
250 microns dry = 325 microns wet	
Theoretical Coverage:	
3.12 m ² /ltr. at 250 microns	

Density (mixed)	: 1.52 kg/ltr.
Drying Times	: <u>25°C / 65%RH</u>
Dry to Recoat	: 03 Hours
Hard Dry	: 07 Hours
Maximum Recoatable Time	: 02 Weeks
Heat Resistant	: 121°C dry
Flash Point	: 27°C

Specification Data

Preparation

All surfaces must be free of oil, grease and moisture before blast cleaning to a near White Metal equivalent to Steel Structures Painting Council SP10 or ISO 8501-1 Sa 2.5. Surface must be free of grit dust. Primer should be applied to cleaned surfaces as soon as possible to prevent rerusting or contamination. For areas where sandblasting cannot be accomplished, hand clean, preferably with power disc sander, to bright, non-polished metal.

Shop primers are not suitable to properly anchor SIPOXY-GUARD 276 Coating for heavy-duty service. For lesser services, SIPRIME 215 or SIPZINC 110 Primers can be used.

Application Data

Mixing Ratio by Volume	Base : 4 parts Hardener : 1 part
Mixing Advice	SIPOXY-GUARD 276 is a two component product supplied in 5 ltr. and 20 ltr. kits which contain the proper ratio of ingredients. The entire contents of each container must be mixed together. Power mix the base portion for 5 to 10 minutes to obtain a smooth, homogeneous condition. Add the hardener slowly with continued agitation. After the hardener has been added, continue to mix slowly for 15 minutes 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-GUARD 276 requires a 15 minutes induction time at 25°C. At temperature below 21°C, add 10 minutes to the induction time for each 5°C lower temperature.
Pot Life	4 hours at 25°C.
Application Details	SIPOXY-GUARD 276 can be applied by heavy duty airless spray equipment such as 30 : 1 pumps. It is recommended that no less than 3/8" ID fluid hoses and a large tip size .025" to .031" be used. All fine mesh filters should be removed before spraying.
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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