

# SIPOXY-SHIELD 240

Polyamide High Build Epoxy Coating

Product No. 6240

## Features

- New high solids technology.
- Low VOC.
- Excellent Resistance Properties :  
Fresh and salt water, Alkalies and salts,  
Spillage of solvents and dilute acids.
- Good cure and easy application properties.
- Approved under APCS-1A, 1B, 1C, 1D, 1E,  
1F & 12

## Recommended Use

- Decks and floors of steel & concrete.
- 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,  
Aluminium Grey (Ral 9007),  
Aluminium (Ral 9006).

**Volume Solids** : 90%

**Recommended Film Thickness:**

100 - 150 microns dry

111 - 167 microns wet

**Theoretical Coverage:**

9 m<sup>2</sup>/ltr. at 100 microns

**Density (mixed)** : 1.44 kg/ltr.

**Drying Times :**  
**(25°C/65% RH):**

Dry to Recoat : 4 Hours

Hard Dry : 8 Hours

Maximum Recoating : 6 Months

**Heat Resistant** : 121°C Dry

**Flash Point** : 28°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 215/210, SIPZINC 110, SIPZINC 120, SIPZINC 130, SIPZINC 140, SIPZINC 150 and SIPZINC 160.

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/SIPSEAL 221/SIPSEAL 222 or SIPOXY-SHIELD 240, 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

	<u>ALL COLOURS</u>	<u>ALUMINIUM (RAL 9006 ONLY)</u>
<b>Mixing Ratio by Volume</b>	Base : 3 parts Hardener : 1 part	Base : 1 part Hardener : 1 part
<b>Mixing Advice</b>	<p>SIPOXY-SHIELD 240 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.</p> <p>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. When all the hardener has been added continue to mix slowly until homogeneous.</p>	
<b>Thinning</b>	<p>Thinner 740</p> <p>Thinning is not normally required or desired; however, at lower temperatures or in extreme conditions small amounts (20% or less) of Thinner 740 can be added. Any solvent addition should be made after the two components are thoroughly mixed. Use Thinner 730 for Aluminium Ral 9006.</p>	
<b>Induction time</b>	SIPOXY-SHIELD 240 require a 15 minutes induction time at 25°C.	
<b>Pot Life</b>	4 hours at 25°C.	
<b>Application Details</b>	<p>SIPOXY-SHIELD 240 can be applied by both conventional air spray, airless spray equipment and roller.</p> <p>For air spray application, use a fluid tip of .070" to .086".</p> <p>Where airless equipment is used, a 30 to 1 pump and .019" to .023" tip size will provide a good spray pattern.</p> <p>For touch-up work, SIPOXY-SHIELD 240 can be applied by brush or roller. Care should be taken that proper and uniform film thickness are obtained.</p> <p>For application by roller use Thinner 740 up to 20% by volume for the first coat only, depending upon porosity of the surface.</p>	
<b>Cleaning of Equipment</b>	Use Thinner 740 or 730.	

## Storage Information

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

## Safety Information

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

## Disclaimer

The information in this data sheet represent test results or experience under well defined conditions. Its accuracy or suitability under the actual conditions of any intended use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller can not accept any liability in connection with the use of the product relative to coverage, performance, injury or damage, unless we specifically agree in writing to do so. The information in this data sheet is subject to change without notice and it is the user's responsibility to ensure it is current. For further information and advice contact SIPCO Technical Services Department on Tel. (03) 847 2299, Fax (03) 847 3780.