

# PRODUCT DATA SHEET

## Sika® Poxitar®-100 MY

### COAL TAR EPOXY COATING FOR STEEL AND CONCRETE

#### DESCRIPTION

Sika® Poxitar®-100 MY is an economical two part reaction hardening, chemical resistant coating based on coal tar epoxy resin, in combination with mineral fillers.

#### USES

Sika® Poxitar®-100 MY may only be used by experienced professionals.

Sika® Poxitar®-100 MY is used as a chemical resistant coating on:

- Sewage treatment plants
- Immersed piers
- Steel and concrete silos
- Ballast tanks
- Steel protection
- Marine structures

Sika® Poxitar®-100 MY is **not suitable** for surfaces in contact with drinking water

#### CHARACTERISTICS / ADVANTAGES

- Suitable for concrete and steel surfaces
- Can also be applied as an internal and external coating for permanently immersed or buried structures

#### PRODUCT INFORMATION

Packaging	Part A	21.4 kg
	Part B	3.6 kg
	Part A + B	25 kg
Appearance / Colour	Black	
Shelf Life	12 months from date of production	
Storage Conditions	Store properly in original unopened, sealed and undamaged packaging in dry conditions at temperatures between +10 °C and +20 °C. Keep away from direct sunlight.	
Density	~1.25 kg / L mixed resin	
Solid content by volume	65 ± 2 %	

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Parts A : Part B = 4 : 1 by volume		
<b>Consumption</b>	2.9 m <sup>2</sup> /l at 225 microns dry film thickness Practical coverage rate can vary depending on application method, temperature, profile and porosity of the substrate		
<b>Ambient Air Temperature</b>	+25 °C min. / +40 °C max.		
<b>Pot Life</b>	~2 hours (at +30 °C)		
<b>Waiting Time / Overcoating</b>		+30 °C	+35 °C
	Minimum	16 hours	12 hours
	Maximum	3 days	2 days
If overcoating exceeds 24 hours and contamination has occurred, clean using a detergent solution/clean water rinse and allow to dry before continuing. If maximum overcoating times are exceeded, abrade the surface and wash down with clean water to remove contamination and allow to dry.			
<b>Drying Time</b>	24–48 hours		

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

#### Concrete

At least 14 days old and should be minimum 20 N/mm<sup>2</sup>. It must be dry, sound and gripping, free from cement slurry/laitance, dust, loose and friable particles and other contamination that may inhibit bonding properties.

#### Steel

Steel surfaces must be dry, free from oil, grease and dirt and other contaminants that may inhibit bonding properties.

Depending on surface condition (roughness, porosity, etc.) material consumption for the first application on concrete may be higher. Consumption is the same for airless spray applications as by brush.

### SURFACE PREPARATION

#### Concrete surfaces

Concrete surfaces should be prepared by thoroughly mechanically wire-brushing, abrading, scarifying or preferably by high pressure water/sand blasting. This is particularly important in case of underwater exposure.

Large holes, cavities, blow-holes or irregularities should be patched / filled up with Sikadur®-31 CF adhesive or Sikadur®-41 CF patching mortar.

#### Steel surfaces

Light blast cleaning to Sa 1 of EN ISO 8501–1: 2007 or using hand and power tool cleaning to St 2 of EN ISO 8501–1: 2007.

For immersion service, sandblast cleaning is required to remove all surface contaminants (paint rust, mill scale, etc) from at least 95 % of surface area of any section. For non-immersion service, a commercial blast cleaning is required to remove almost all rust, mill scale and foreign matter (the remaining surface should be greyish in colour).

Coating in all cases with prepared metals must proceed without delay and certainly within 4 hours of preparation.

### MIXING

Stir part A (base component) thoroughly prior to application. Add part B (hardener) and mix thoroughly with an electric stirrer using up and down movements. The mixed material can be used immediately.

### APPLICATION

Airless spray, conventional spray, brush and/or roller. A minimum of 2 coats must be applied.

### CLEANING OF TOOLS

Clean all tools and application equipment with Thinner C or Thinner S immediately after use. Hardened and/or cured material can only be mechanically removed.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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