

## PRODUCT DATA SHEET

# Sika® Poxitar® MY

Heavy duty coal tar epoxy coating for steel and concrete (Formerly Sika Poxitar F)

### DESCRIPTION

Formerly known as Sika Inertol-Poxitar® MY. Sika® Poxitar® MY is a two part reaction hardening, chemical resistant coating of low solvent content based on coal tar epoxy resin, in combination with mineral fillers.

### USES

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

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

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

Sika® Poxitar® 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	18 kg pail
	Part B	3 kg can
	Part A + B	21 kg set
Shelf Life	12 months from date of production	
Storage Conditions	Store properly in original unopened, sealed and undamaged packaging in dry conditions. Keep away from direct sunlight.	
Density	~1.4 kg/l mixed resin	
Solid Content by Volume	85 ± 2 %	

## TECHNICAL INFORMATION

<b>Abrasion Resistance</b>	<u>Wear Index</u>	<u>57</u>	(ASTM D4060)	
<b>Elongation at Break</b>	<u>Mandrel size 6 mm</u>	<u>no cracking</u>	(ASTM D522)	
	<u>Elongation range</u>	<u>30.7 %</u>		
<b>Tensile Adhesion Strength</b>	<u>On concrete</u>	<u>~1.5 N/mm<sup>2</sup></u>	(ASTM D4541)	
	<u>On ground steel</u>	<u>~1.6 N/mm<sup>2</sup></u>		
<b>Chemical Resistance</b>	<b>Exposure</b>	<b>Immersion</b>	<b>Splash and spillage</b>	<b>Fumes</b>
	Acids	Very good	Excellent	Excellent
	Alkalies	Very good	Excellent	Excellent
	Solvents	Good	Very good	Excellent
	Salts	Excellent	Excellent	Excellent
	Water	Excellent	Excellent	Excellent
	Note: Sika® Poxitar® MY is not suitable for immersion in aromatic or ketone solvents or strong oxidizing acids.			
<b>Thermal Resistance</b>	< 60 °C			

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Parts A : Part B = 6 : 1 by weight		
<b>Consumption</b>	0.18 kg/m <sup>2</sup> per coat, minimum 2 coats		
<b>Layer Thickness</b>	(2 coats): ~260 micron (wet film thickness) / ~220 micron (dry film thickness)		
<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.		
<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.		
<b>Pot Life</b>	~2 hours (at +25 °C)		
<b>Waiting Time / Overcoating</b>	8 hours min. / 24 hours max. Note: The waiting times between applications depend largely on temperature and weather. Lower temperature will increase the minimum time and increase the maximum time. To ensure good intercoat adhesion, light grinding of the previous coat followed by a thorough de-dusting is required.		
<b>Drying Time</b>	<u>Touch dry</u>	<u>~2 hours</u>	

## 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.

## LIMITATIONS

For floors and walls in a confined area with high retaining moisture, it is mandatory to comply to the maximum surface moisture of 6 %.

## 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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

## VOC DATA

The VOC content for the ready to use product of Sika® Poxitar® MY is <400 g/L.

## 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 of cement slurry, dust, loose and friable particles and other contamination.

### SURFACE PREPARATION

#### Concrete

Concrete surfaces should be prepared by 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® range of products. 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.

#### Steel

Steel surfaces must be dry, free from oil, grease and dirt. For immersion service, sandblast cleaning is required to remove all surface contaminants (paint rust, mill scale, etc) from at least 95 % of the 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); power tool cleaning is acceptable with specific recommendations. Coating in all cases with prepared metals must proceed without delay and within 4 hours of surface preparation. For heavy mechanical exposure, priming with Friezinc® RMY is recommended (refer to the Product Data Sheet of the specified product).

### 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 or roller.

### CLEANING OF TOOLS

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

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Sika® Poxitar® MY  
October 2021, Version 09.03  
020602000180000004

## 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.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

SikaPoxitarMY-en-HK-(10-2021)-9-3.pdf