

# PRODUCT DATA SHEET

## Inertol® Poxitar®

2 COMPONENT, HEAVY DUTY, COAL TAR BASED EPOXY COATING FOR STEEL AND CONCRETE

### DESCRIPTION

2-component reaction hardening coating of low solvent content based on a coal tar epoxy combination with mineral fillers.

### USES

Protective coat for concrete and steel, as internal and external coating for buried and submerged structures e.g. sewage systems, chemical industries, harbour facilities etc. Also suitable where application on to damp concrete is inevitable. (The marked line should be removed)

Not suitable for surfaces in contact with drinking water.

### CHARACTERISTICS / ADVANTAGES

After complete curing Inertol Poxitar® is :

- Tough hard, heavy duty
- Abrasion and impact resistant
- Excellent resistance to water and chemicals
- Resistant to microbes

### PRODUCT INFORMATION

<b>Packaging</b>	Part A: 0.8 kg x 2 containers Part B: 4.2 kg x 2 containers Part A+B: 5.0 kg x 2 ready to use units
<b>Appearance / Colour</b>	Part A: light yellow liquid Part B: black liquid  Part A+B: black liquid
<b>Shelf Life</b>	12 months from date of production
<b>Storage Conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C.
<b>Density</b>	~ 1.50 kg/l All density values at +27°C.

Solid content by weight

~ 77 %

**Chemical Resistance**

Test medium	Temp.	24 h	3 d	7 d	90 d
Sea Water(5% NaCl in aqueous solution)	30°C	A	A	A	A
Water	30°C	A	A	A	A
Nitric acid 10%	30°C	A	A	A	D
Hydrochloric acid 10%	30°C	A	A	A	D
Sulphuric acid 10%	30°C	A	A	A	D
Diesel	30°C	A	A	A	A

\*acc. IS 4631-1968

A = resistant, D = resistant but with discolouration and/or loss of gloss, C = not resistant

**SYSTEM INFORMATION**

**Systems**

Concrete:	
Primer:	1 x Inertol Poxitar®+ 5 % Sika® Thinner DS
Seal coat:	1 - 2 x Inertol Poxitar®
Steel:	
Primer:	1 x Fraizinc® R (recommended for heavy mechanical exposure area)
Seal coat:	1 - 2 x Inertol Poxitar®

\* For the application onto gypsum plaster boards, please refer to 'Notes on Application / Limitations'.

**Mixing Ratio**

Part A : Part B = 16 : 84 (by weight)

**Consumption**

Concrete:		
Coating System	Product	Consumption
Primer	1 x Inertol Poxitar®+ 5 % Sika® Thinner DS	~ 0.15 – 0.20 kg/m2
Seal coat	1 - 2 x Inertol Poxitar®	~ 0.20 - 0.30 kg/m2 per coat
Steel:		
Coating System	Product	Consumption
Primer	1 x Fraizinc® R (recommended for heavy mechanical exposure area)	~ 0.15 – 0.20 kg/m2
Seal coat	1 - 2 x Inertol Poxitar®	~ 0.15 - 0.20 kg/m2 per coat

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile ,variations in level and wastage etc.

**Ambient Air Temperature**

+10°C min. / +30 °C max.

**Relative Air Humidity**

75% r.h. max.

**Dew Point**

Beware of condensation!

The substrate must be at least 3°C above the Dew Point to reduce the risk of condensation, which may lead to adhesion failure of final finish. Be aware that the substrate temperature may be lower than the ambient temperature



<b>Substrate Temperature</b>	+10°C min. / +30 °C max.		
<b>Substrate Moisture Content</b>	< 4% moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
<b>Pot Life</b>	5 kg mass		
	Temperature		Time
	+30°C		~2 hours
<b>Curing Time</b>	Substrate temperature		Substrate temperature
	+30°C		7 days
Note: Times are approximate and will be affected by changing ambient conditions			
<b>Waiting Time / Overcoating</b>	Substrate temperature	Minimum	Maximum
	+10°C	16 hours	7 days
	+20°C	8 hours	7 days
	+30°C	4 hours	7 days

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

For steel sand blasting or wire brushing is essential. Should be free from oil, dirt and grease. For concrete remove cement skin, loose particles etc. Cavities, pin holes should be levelled

### MIXING

Inertol Poxitar® is supplied in two parts. Stir Part B thoroughly to remix any settle part, add Component A and mix thoroughly with an electric stirrer with up and down movements for 3 minutes.

### APPLICATION

Brush application: With distemper brushes, round brushes or radiator brushes.

Roller application: With short pile lamb skin roller

## 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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## ECOLOGY, HEALTH AND SAFETY

### 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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