



Inertol® Poxitar® F

Epoxy Tar Oil Finishing Coat

Technical Data Sheet

DESCRIPTION

Inertol Poxitar F is a two component, low VOC, very high solids epoxy tar oil coating for steel and concrete.

USES

- * Heavy duty corrosion protection of most marine steel and concrete structures.
- * Sewage treatment corrosion protection.
- * Bridges.
- * Tunnels.
- * Hydro electric structures.
- * Chemical industry.

ADVANTAGES

- * Low VOC.
- * Suitable for application to damp concrete or steel structures.
- * High chemical resistance.
- * Good abrasion and impact resistance.
- * Resistant to permanent submersion in sea water.

Technical Data

Colour:	Black/red brown		
Finish:	Eggshell		
Density (SG):	1.8 kg/litre		
Volume solids:	87%		
Typical film thickness per coat:	140 - 170 microns dry	172 - 195 microns wet	
Application temperatures:	+5°C minimum (substrate and ambient)		
Coverage:	6 m ² /litre @ 150 microns dft		
Service temperature:	Max dry heat +100°C Max damp heat +80°C		
Method of Application:	Airless spray, brush or roller		
Drying times:	10°C	20°C	30°C
Overcoating:			
Min (hours)	30	12	6
Max (hours)	72	48	24
Mix ratio: (A:B)	85:15 by wt		
No of coats:	2 - 3		
In accordance with ISO 12 944 Pt 5			
Pot life: (hours)	1.5 hours @ 20°C		
VOC:	307 g/litre		
Flashpoint:	Pt A 66°C Pt B 23°C		

All above values are approximate.

SURFACE PREPARATION

Concrete:

Remove cement laitance by sweep blasting or equivalent to improve adhesion. Cavities must be filled/levelled before use with **SikaDur® 31**.

Steel:

Blastclean to SA 2.5 according to ISO 129 44 Pt 4.

The surface to be coated should be dry and free from contaminants, such as dust, oil, grease, algal growth etc.

Galvanized surfaces:

Refer to **Sika®** Galvanized Steel Duplex Guidelines. Available on request.

MIXING

Always mix complete units as supplied. Power agitate component A, add component B and completely mix both components.

APPLICATION

Airless spray: Typically 170 - 195 microns per coat wft on vertical surfaces

Tip range 0.58 - 0.66 mm (19 - 25 thou)
Output fluid pressure at tip
Min (170 kg/cm²) (2500 psi)

Brush: Typically 100 - 150 microns per coat wft on vertical surfaces

Roller: Typically 100 - 150 microns per coat wft on vertical surfaces

THINNING

Depending on ambient temperature, up to 5% of **Sika Thinner C** may be necessary for atomisation. This reduces immediate exposure to water. If immediate exposure to water is required, it is recommended that atomisation is achieved by pressure and tip size adjustments.

IMPORTANT CONSIDERATIONS

- * Apply in ventilated areas
- * Do not exceed the maximum overcoating times. Should this be unavoidable consider using **Inertol Poxitar G**.

CLEANING OF EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

PACKAGING

Refer to latest price list

CONSUMPTION

Approximately 6 m²/litre @ 150 microns dft. These figures do not allow for surface porosity, profile or wastage).

STORAGE AND SHELF LIFE

Minimum 24 months in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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