

PRODUCT DATA SHEET

Sika® Inertol® I

Future name: Inertol® I

Bituminous coating for foundations, concrete and steel

DESCRIPTION

Sika® Inertol® I is a 1-pack, unfilled, solvent-containing, bituminous coating.

USES

Sika® Inertol® I may only be used by experienced professionals.

For the protection of steel and concrete, in case of exposure to water, moisture and chemical influences of varying nature.

Not suitable for permanent weathering.

CHARACTERISTICS / ADVANTAGES

- Good corrosion protection
- Water resistant
- Good penetration and adhesion, even on damp concrete and cement rendering
- Tough-hard and robust

PRODUCT INFORMATION

Packaging	Sika® Inertol® I	10 l, 3 l and 0.75 l
	Sika® Thinner B	10 l and 3 l
Appearance and colour	Black	
Shelf life	2 years	
Storage conditions	In originally sealed containers in a cool and dry environment.	
Density	~0.9 kg/l	
Solid content	~45 % by volume ~52 % by weight	

TECHNICAL INFORMATION

Chemical resistance	After final curing Sika® Inertol® I is resistant to water, neutral salts and highly diluted acids and lyes. Not resistant to fat and oils, benzene hydrocarbons and alcoholic liquids.
Temperature resistance	Dry heat up to approx. + 80°C Damp heat up to max. + 60°C

SYSTEM INFORMATION

System	<u>Steel:</u> 3 x Sika® Inertol® I
	<u>Concrete:</u> 2 - 3 x Sika® Inertol® I

APPLICATION INFORMATION

Thinner	Sika® Thinner B If necessary max. 3 % Sika® Thinner B may be added to adapt the viscosity.
Consumption	Theoretical material-consumption/VOC without loss for medium dry film thickness:
	<u>Dry film thickness</u> 60 µm
	<u>Wet film thickness</u> 135 µm
	<u>Consumption</u> ~0.120 kg/m ²
	<u>VOC</u> ~57.6 g/m ²
	For the 1 st coat on concrete material consumption is approx. 0.15-0.20 kg/m ²
Material temperature	Min. + 5°C
Relative air humidity	Max. 85 %, except the surface temperature is significantly higher than the dew point temperature, it shall be at least 3 K above dew point.
Surface temperature	Min. + 5°C
Waiting time to overcoating	Min. 1 day at + 20°C
Drying time	Final drying time In case of exposure to moisture and depending on ventilation 3 - 6 days; in ditches, shafts and containers etc. thorough ventilation must be provided.

BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Concrete:
Solid and gripping, dust-free.

SURFACE PREPARATION

Steel:
Carefully de-rusted, dry, clean and free from dirt, oil and grease.
Submerged surfaces must be blast-cleaned to Sa 2 ½ according to ISO 12944-4.

Old coats:
Old coats, also the ones based on tar pitch and bitumen, must be completely removed.

MIXING

Sika® Inertol® I is supplied ready for use.
Stir thoroughly prior to application.

APPLICATION

The method of application has a major effect on achieving uniform thickness and appearance. Spray application will give the best results. The indicated dry film thickness is easily achieved by airless spray. Adding solvents reduces the sag resistance and the dry film thickness. In case of application by roller or brush, additional applications may become necessary to achieve the required coating thickness, depending on type of construction, site conditions, colour shade etc. Prior to major coating operations a test application on site may be useful to ensure the selected application method will provide the requested results.

By brush and roller

Conventional high pressure spraying:

- Nozzle size 1.5 - 2.0 mm
- Pressure 2 - 3 bar

Airless-spraying:

- Pressure min. 150 bar
- Nozzle size 0.46 - 0.66 mm (0.019 - 0.025 inch)
- Spraying angle 40° - 80°

Dipping:

Sika® Inertol® I 3 x

When repeating the dipping operation the object should be immersed as short as possible, otherwise the existing film may become detached.

It is important to move the object slowly during the dipping process by turning and twisting in order to release entrapped air.

CLEANING OF EQUIPMENT

Sika® Thinner B

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sherwin-Williams` products, are given in good faith based on Sherwin-Williams` current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sherwin-Williams` recommendations.

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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. Sherwin-Williams 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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