



Icosit® Poxicolor Primer

Epoxy Primer

Technical Data Sheet

DESCRIPTION

Icosit Poxicolor Primer is a low VOC, high solid, two component epoxy combination primer for steel and galvanized structures.

USES

- * Bridges.
- * Pipelines.
- * Marine structures.
- * Industrial plant.
- * Water and sewage treatment plant.
- * Duplex coating for new/weathered galvanized structures.

ADVANTAGES

- * Low VOC.
- * High solids.
- * Economical high build priming system.
- * High chemical resistance.
- * Low solvent content.
- * Highly flexible primer.
- * Does not require 'T' wash or etch primer when applied to new/weathered galvanized substrates.

Technical Data

Colour:	Red brown
Finish:	Matt
Density (SG):	1.6 kg/litre
Volume solids:	70%
Typical film thickness per coat:	100 - 125 microns dry 140 - 180 microns wet
Application temperatures & humidity conditions:	+5°C minimum (substrate and ambient) +3°C (5°F) above the dew point
Coverage:	7 m ² /litre @ 100 microns dft
Service temperature:	Max dry heat +150°C Max damp heat +80°C
Method of Application:	Airless spray, brush or roller
Drying times:	Overcoatable at 20°C after an overnight wait.
Mix ratio: (A:B)	88:12 by wt
No of coats:	1 coat @ 100 microns dft In accordance with ISO 12 944 Pt 5
Pot life: (hours)	20°C 30°C 8 5
VOC:	196 g/litre
Flashpoint:	Pt A 23°C Pt B 25°C

All above values are approximate.

SURFACE PREPARATION

The surface to be coated should be dry and free from contaminants. Prior to painting all surfaces should be assessed in accordance with ISO 8504:1992.

Oil and grease to be removed according to SSPC-SP1 solvent cleaning.

Hand tool preparation:

Prepare to a minimum standard of St 2 (ISO 12944 Pt 4) or SSPC-SP2. All scale must be removed.

Abrasive blast cleaning:

Prepare to SA2 (ISO 12944 Pt 4) or SSPC-SP7.

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 140 - 180 microns per coat wft on vertical surfaces

Tip range 0.48 - 0.58 mm (19 - 23 thou)
Output fluid pressure at tip
Min (211 kg/cm²) (3000 psi)

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

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

THINNING

If necessary, during application by pressure pot spraying, thin to a maximum of 5% with **Sika**[®] Thinner EG.

IMPORTANT CONSIDERATIONS

- * Apply only to dry surfaces.
- * Do not apply during mist or fog conditions or when snow or rain is imminent.
- * Avoid condensation on the coating during the initial drying period.
- * Apply in ventilated areas

CLEANING OF EQUIPMENT

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

PACKAGING

Refer to latest price list

CONSUMPTION

Approximately 7 m²/litre @ 100 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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