



# Icosit<sup>®</sup> HM

## Epoxy Resin Wearing Layer for Steel Bridges

### Technical Data Sheet

#### DESCRIPTION

Icosit HM is a solvent free cold cured two component epoxy resin binder.

#### USES

- \* Wearing layer on steel bridge decks.

#### ADVANTAGES

- \* Extremely durable.
- \* Resistant to aviation fuels and de-icing salt solutions.
- \* One layer system.
- \* Easy to apply.
- \* Flexible.
- \* Long pot life.

#### Technical Data

<b>Colour:</b>	Light grey		
<b>Density (SG):</b>	1.6 kg/litre		
<b>Volume solids:</b>	100%		
<b>Application consumptions:</b>	<b>Icosit HM</b>	1.6 kg/m <sup>2</sup> (one coat)	
	2-5 mm chippings:	1.7 kg/m <sup>2</sup>	
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (substrate and ambient)		
	+3°C (5°F) above the dew point		
<b>Method of Application:</b>	Trowel or squeegee		
<b>Additional application information</b>	<b>10°C</b>	<b>20°C</b>	<b>30°C</b>
<b>Waiting time between Icosit EG1 Primer</b>	-	24 hrs	-
<b>Mix ratio: (A:B)</b>	75:25 by wt		
<b>Pot life: (hours)</b>	<b>10°C</b>	<b>20°C</b>	<b>30°C</b>
	1.5	1.0	0.5

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.

### **Abrasive blast cleaning:**

Prepare to SA2½ (ISO 12944 Pt 4) or SSPC-SP6.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (hardener) and mix both components thoroughly with a low speed electric stirrer (200 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

### **Patch priming of steel:**

Patch prime using **Icosit EG1 Rapid** where required.

### **Steel deck application:**

Pour mixed **Icosit HM** on steel deck and spread evenly at the required consumption with a trowel or squeegee. Immediately after application while the surface remains tacky, broadcast with 2-5 mm chippings.

## IMPORTANT CONSIDERATIONS

- \* Apply only to dry surfaces.
- \* Do not apply when snow or rain is imminent.

## CLEANING OF EQUIPMENT

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

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 1.6 kg/m<sup>2</sup>. (These figures do not allow for surface porosity, profile or wastage).

## STORAGE AND SHELF LIFE

Minimum 12 months in sealed containers stored in dry warehouse conditions (+5°C - +25°C).



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### 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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