

PRODUCT DATA SHEET

Igas[®] B (New)

HOT-APPLIED ELASTOMERIC CONCRETE JOINT SEALANT

DESCRIPTION

A hot applied modified bitumen. It has excellent adhesion property, non-permeable to water mild chemical solutions, ultra-violet resistance and non-flow or dip under direct sunlight.

USES

Igas-B (New) is used as follow :

- As sealant and filler for all construction or expansion joints.
- As sealant and filler for weak points and surface cracks on concrete roof.
- Bonding of floor tiles.

CHARACTERISTICS / ADVANTAGES

Igas-B (New) possesses the following beneficial properties:

- Remains flexible at low temperatures.
- Non flow or dip under direct sunlight.
- Good weather resistance.
- Waterproof.
- Good adhesion to concrete surface.

PRODUCT INFORMATION

Chemical base	Thermoplastic	
Packaging	20 kg tin	
Colour	Black	
Shelf life	24 months under good storage conditions and in undamaged containers.	
Storage conditions	Store in dry conditions	
Density	1.10 – 1.16	
Solid content	100 %	
Joint Design	Minimum joint depth:	10 mm
	Width : depth ratio for expansion joints:	1 : 1 to 1 : 1.5
	Width : depth ratio for construction and contraction joints:	1 : 1 to 1 : 2.5

TECHNICAL INFORMATION

Softening Point	80 – 100 °C (R&B)	(ASTM D36)
Penetration	15 – 35 (0.1 mm, at +25 °C, 100 gm, 5 seconds)	(ASTM D5)
Specific Heat Capacity	Approx. 2 100 J/kg °C	
Chemical Resistance	Resistant to water, saturated salt solutions, mild acids and alkalis	
Toxicity	None	

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- All surfaces must be clean, dry and free from all loosely adhering particles.
- For treatment of weak points and cracks hack a 'V' shape groove not smaller than 40 mm width and 25 mm depth along the weak point or crack.

APPLICATION METHOD / TOOLS

1. Heat Igas B (New) to pouring temperature range between 150°C to 200°C.
2. Avoid localized heating above 230°C. To achieve good adhesion, temperature Igas B shall not fall below 130°C at the instance of contact with substrate.
3. Igas B (New) can be applied to any thickness in one-time pouring. Allow for 10% shrinkage of hot material at 150°C on cooling to room temperature.
4. Direct flame torching may be used to remelt applied material for levelling off.
5. Avoid localized flame heating exceeding 10 seconds which would light up the material.

CLEANING OF TOOLS

Clean all tools and equipment immediately after use Kerosene or other strong solvent.

LIMITATIONS

The material is flammable when overheated.

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.

LOCAL RESTRICTIONS

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

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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