Product Data Sheet
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Construction

Igas®-K

Fuel Resistant, Hot Poured Elastomeric Sealant

Product Description	**Igas®-K** is a hot poured sealing compound, based on a combination of synthetic resins and coaltar. When installed into horizontal expansion and construction joints it provides a flexible seal with resistance to fuel spillage and mineral oils. Suitable for use in hot and tropical climates.
Uses	**Igas®-K** is used in particular for the sealing of concrete pavement joints where fuel resistance is required, such as: ■ Aircraft hardstandings ■ Parking aprons and hangars ■ Maintenance bays and garages ■ Vehicle washing areas ■ Re-fuelling areas ■ Stores for fuel oils
Advantages	**Igas®-K** possesses the following beneficial properties: ■ Good adhesion without primer ■ Remains flexible even at low temperatures ■ Excellent resistance to grease oil and fuels ■ Unaffected by de-icing salts ■ Resists attack from micro-organisms
Test standard	Complies with ASTM - D1854/85 - D3569/85 and British Standard - 2499: (1 993)Type FI

Product Data

Type	Coaltar synthetic resin combination
Colour	Black
Packaging	30 kg pails 200 kg drums
Storage Condition	Store in original sealed containers in a cool and dry environment between 5ºC and 35ºC away from direct sunlight.
Shelf life	18 months from date of production if stored properly in unopened original packing.

Technical Data

Density	1.40 kg/ltr
Service temperature	-20°C to +70°C

Movement capacity	15% of the average joint width (expansion, contraction)
Safe heating temperature	160°C (Oil Bath)
Optimum pouring temperature	120°C to 140°C

Application Details

Joint configuration	■ Minimum joint width 10 mm ■ Maximum joint width 30 mm ■ 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
Substrate Preparation	All surfaces must be sound, clean, dry and free from all loosely adhering particles. Priming is not required.
Heating	**Igas®-K** must be indirectly heated in a thermostatically controlled oil-jacket melter or melter-pourer to a temperature of 150°C to 160°C.
Application	The correctly heated **Igas®-K** is then poured without delay either from the melter-pourer or with a suitable can into the properly prepared, clean and dry joints. Care must be taken that joints are filled from the bottom up, thus avoiding air entrapment. As back-up material, closed cell heat resistant PE or open celled PU-rods of suitable diameter should preferably be used. Important: **Igas®-K** can only be heated once. All material in the melter must be used (placed in the joint) and then the melter vessel as well as the hose and pouring rod thoroughly cleaned, ideally with Solvent Naphta. Only then must fresh material be placed in the melter and the heating/pouring process started again. At the end of the working day, either all material in the melter must be poured into the prepared joints or the remaining **Igas®-K** discharged and properly disposed of and, the melter vessel and pouring implements cleaned as mentioned above. Failure to do so will result in melter vessel, pouring hose and rod being blocked. Hardened material cannot be heated to a liquid state again! Maximum inclination 5%. **Exceeding safe heating temperature (160°C) will result in the destruction of Igas®-K (hardening in the melter vessel)**
Cleaning	Clean all tools and equipment immediately after use with Sika Colma- Cleaner.
Remarks	Do no use for joints in bituminous paving. Not suitable for contact with drinking water.
Notes	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Safety

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

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Legal Notes

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