

# IKO Hybritech Sealent Grey

## Description:

Low modulus 1-k mastic based on polyurethane for construction joints subject to medium levels of movement.

## Use:

### Excellent adhesion to :

- . Glazed ceramics, aluminium, stainless steel
- . Wood (except wood unsuitable for painting)
- . Brick, natural or reconstituted stone, concrete
- . Metals
- . Most plastic materials : PVC, polyester, epoxy, acrylic, polyurethane, etc. except certain compositions mentioned in the code of good practice (unsuitable plasticisers, lubricants or stabilisers). Please consult us if in any doubt about the type of plastic.

### Poor adhesion to :

- . Polyethylene, fluorinated polymers
- . Asphalt, bitumen, tar, oily materials.
- . Good stability under UV rays
- . Good resistance to fresh and salt water
- . Excellent resistance to polluted atmospheres in towns and industrial regions
- . Poor resistance to oils, fuels and chemical products
- . Cannot withstand alcohol
- . Solvent free.

## Characteristics:

- . Colour.....: grey
- . Density at 20°C.....: +/- 1.35
- . Shore A hardness after 15 days at R.H. 65% at 22 °C ISO 868
- . Modulus.....: 0,30 Mpa
- . Tensile strength.....: 0,50 Mpa
- . Curing time.....: 2 mm/24 h (23°C/55%RH.)
- . Open time.....: 60 min (23°C/55%RH.)
- . Elastic recovery .....: 80%
- . Temperature resistance.....: -30°C to +80°C.
- . U.V. resistance.....: Good

## Cleaning tools and stains:

Immediately with soapy water.

## Implementation:

### 1. Preparation of the joint

- . The directions in the "Guide to good practice" must be rigorously followed.
- . Some of the main principles are :
  - . Check that the edges of the joint are clean, dry, dust free, degreased and free from loose particles.
- . Ensure that plastic materials are not covered with plasticisers likely to prevent adhesion and that any trace of protective film or wax has been thoroughly removed from the support.
- . The behaviour of a sealing compound is strongly influenced by the cross-section of the joints.
- . It is therefore advisable to check that it is correct throughout, taking into account the probable stretching of the sealing compound.
- . Prevent the sealing compound from bonding to the bottom of the joint by laying a closed cell polyethylene foam strip such as **IKO flexijoint** or polyurethane. This joint filling strip will also help limit the depth of the joint.
- . Avoid bituminous or oily mastic fillers.
- . The temperature during application should be between 5 °C and 40 °C.
- . Primer :
  - . No primer is necessary on traditional materials such as concrete, brick, wood, glass, enamelled materials, aluminium and stainless steel.
- . Using a primer :

. **IKOprotekt teknoprimer detail** is essential for joints likely to be immersed and especially for porous capillary surfaces such as mortar and concrete, soft and semi-hard stone and paints liable to be impregnated with water. Please consult us.

### 2. Applying IKO Hybritech Sealant

- . Completely remove the sealing membrane at the end of the cartridge.
- . Screw on the plastic nozzle which has been cut at an angle to give the required diameter and insert the cartridge into the application gun.
- . Immediately apply the mastic, properly sealing the edges of the joint without trapping air between the mastic and the bottom of the joint.
- . Placing self-adhesive tape on each side of the groove helps to obtain a good finish.
- . Use a spatula dipped in slightly soapy water to smooth and firm the mastic.
- . If polymerised mastic needs to be reapplied or added to, degrease the old mastic with a chlorinated degreasing.

### LIMITATIONS ON USE :

- . **IKO Hybritech Sealant** may not be used :
  - . In contact with materials which may exude certain constituents over time or with copper based metallic supports. It is not recommended where there is a risk of abrasion.
  - . for making aquariums or joints in swimming pools.
- . **IKO Hybritech Sealant** adhesion on polyethylene, fluorinated polymers, asphalt, bitumen, tar and oily materials cannot be guaranteed.

**Storage:**

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. 12 months in a cool, dry place protected from frost in sealed, undamaged packs.

**Packaging:**

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. Cartons of 12 x 600 ml sachets.