



# ISR 70-10

## SILYL MODIFIED POLYMER

### KEY BENEFITS

- Transparent
- Bonding and sealing of different substrates
- Solvent, isocyanate and PVC free

### PRODUCT DESCRIPTION

ISR 70-10 is a good compromise between a sealant and an adhesive, developed for industrial application. ISR 70-10 is based on Silyl Modified Polymer (SMP). It is suitable for making clear elastic sealings and elastic constructive joints.

### APPLICATIONS

- specially developed as a universal construction adhesive for interior use.
- Suitable for applications in areas where food is being processed and / or stored
- Elastic bondings and sealings in e.g. bus-, caravan-, train- and yacht construction.

### FEATURES

- Transparent.
- Solvent, isocyanate and PVC free.
- In general good adhesion on several substrates without the use of a primer.
- Permanently elastic in a temperature range of -40°C to +80°C.
- Neutral, odorless and fast curing.
- Paint compatible with most industrial paint- or lacquer systems, both alkyd resin and dispersion based (due to the large scale of different types of industrial paints a paint compatibility test is recommended).

### TECHNICAL DATA

CHARACTERISTIC		VALUE
<b>100% modulus</b> DIN 53504 S2	[N/mm <sup>2</sup> ]	1.15
<b>Application rate</b> @ Ø2,5 mm/6,3 bar	[g/min]	150 -300
<b>Application temperature</b>	[°C]	+5 to +40
<b>Base</b>		Hybrid
<b>Curing in depth</b> @23°C/50% R.H.	[mm]	2 - 3 /24 hours
<b>Density</b> ISO 1183-1	[g/ml]	1.06
<b>Elongation at break</b> DIN 53504 S2	[%]	450
<b>Frost resistance during transportation</b>		Up to -15°C
<b>Shore A hardness</b> DIN 53505		45
<b>Skin formation</b> @+23°C/50% RH DBTM 16	[min]	10
<b>Temperature resistance</b>	[°C]	- 40 to + 90
<b>Tensile strength</b> DIN 53504 S2	[N/mm <sup>2</sup> ]	3.20

### CERTIFICATIONS

ISEGA  
LEED  
A+ French VOC Regulation  
EN 15651-1/ F-INT

### LIMITATIONS

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for continuous exposure to water
- With prolonged exposure to UV radiation, products can discolour and become less UV stable
- Not suitable for movement and glazing joints
- Not suitable for natural stone and mirrors

## METHOD OF USE

ISR 70-10 can easily be extruded with a hand or air pressure gun at temperatures between +5°C and +35°C. For good adhesion, a clean, dry and grease free surface is necessary. Cleaning of closed surfaces, like aluminium, coated steel, polyester (GRP) can be done with Cleaner I. It can be used without primer on most non porous substrates. In case of doubtful adhesion on closed substrates please try Prep CS. On porous substrate please use Primer SMP. For more details concerning adhesion properties on substrates and pre-treatment steps, consult the Technical Data Sheet or your Bostik representative. At a temperature of +20°C and a relative humidity of 50% ISR 70-10 can be painted with the most industrial paints already 15 minutes after application. Best adhesion of paint coats is generally obtained if painted within 4 hours after applying ISR 70-10. Cleaning tools or removing uncured residue of ISR 70-10 can be done with a clean colourless cloth, wetted with Liquid 1. It is recommended to make a trial first to check possible attack the substrate by Liquid 1.

## STORAGE STABILITY

ISR 70-10 can be stored for 18 months in an original, unopened package in a dry place at temperatures between +5°C and +30°C.

## PACKAGING

For other packaging format needs please contact your Bostik sales representative.

## FURTHER INFORMATION

The following publication is available on request:

- Material Safety Data Sheets (MSDS).

The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### SMART HELP

Please contact your local representative

