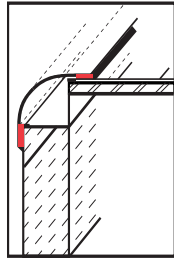




INDUSTRIAL SPECIAL RANGE



Bostik® 70-03A



ISR 70-03

The Industrial Special Range is a series of high tech quality products specifically developed for industrial applications.

PRODUCT

Bostik® 70-03A / Simson ISR 70-03 is a high quality adhesive and sealant. Bostik® 70-03A / Simson ISR 70-03 is designed for making elastic construction joints that require high strength. Bostik® 70-03A / Simson ISR 70-03 is based on Silyl Modified Polymer (SMP).

APPLICATIONS

- Elastic bonding and sealing for these markets: bus, caravan, train and truck construction.
- Bonding and sealing sunroof systems
- Bonding roofs on buses, trains, trucks
- Bonding corner profiles of aluminium or polyester on trailers
- Bonding polyester parts on metal frames
- Bonding floor systems
- Sealing welded seams

FEATURES

- Solvent-, Isocyanate- and PVC-Free
- Very good UV-resistance and aging properties
- Good adhesion on several substrates without the use of a primer.
- Permanently elastic within temperatures from -40°F to 212°F (-40°C to 100°C).
- Neutral, odorless and fast curing
- Paint compatible with most industrial paint or lacquer systems (both alkyd resin and dispersion based).
Note: Due to the large scale of different types of industrial paints a *paint compatibility test is recommended.*
- Paintable after skin forming (wet-on-wet); this will not change the cure rate of the bead.

ADHESION

Bostik® 70-03A / Simson ISR 70-03 adheres well without primer on clean, dry, dust- and grease-free substrates of aluminum, stainless steel, galvanised steel, zinc, copper, brass, powder coated metal, most lacquered metal surfaces, glass, PVC, polyester (GRP & FRP), painted and lacquered wood, etc. No adhesion on untreated polyethylene, polypropylene and teflon. The use of Simson Primer M is recommended for applications that require large thermal or physical loads, especially under wet conditions. Simson Primer M is a “wash” primer which degreases and prepares substrates in one step. For more details concerning Simson Primer M, consult this specific technical information data sheet.

METHOD OF USE

Bostik® 70-03A / Simson ISR 70-03 can easily be extruded with a hand- or air-pressure gun at temperatures between 45°F to 100°F (5°C to 35°C). In sealing applications, Bostik® 70-03A / Simson ISR 70-03 should be tooled or finished within 10 minutes (70°F /20°C @ 50% R.H.) with a spatula or putty knife, occasionally moistened with a soap solution. Avoid soap solution penetrating between joint sides and sealant, which will result in loss of adhesion.

In bonding applications, the substrates have to be assembled within 15 minutes (70°F/20°C @ 50% R.H.) after applying Bostik® 70-03A / Simson ISR 70-03. In general an adhesive thickness of 0.062-in. or 1/16-in. (2 mm) is recommended.

Bostik® 70-03A / Simson ISR 70-03

At a temperature of 70°F (20°C) and a relative humidity of 50%, Bostik® 70-03A / Simson ISR 70-03 can be painted with the most industrial paints 10 minutes after application. Best adhesion of paint coats is generally obtained if painted within 4 hours after applying Bostik® 70-03A / Simson ISR 70-03.

Cleaning tools or removing uncured residue of Bostik® 70-03A / Simson ISR 70-03 can be done with a clean white/colorless cloth, moistened with IPA (Isopropyl alcohol). Check substrate compatibility with IPA (Isopropyl alcohol) before proceeding.

TECHNICAL DATA

Basic Material:	Silyl Modified Polymer (SMP)	
Curing Method:	Moisture	
Specific Gravity:	1.4 g/ml	
Skin Forming Time:	10 min.	(70°F/20°C @ 50% R.H.)
Open Time:	< 15 min.*	(70°F/20°C @ 50% R.H.)
Curing Speed (after 24 hrs):	0.125-in. (3 mm)	(70°F/20°C @ 50% R.H.)
Shore A Hardness:	55	(DIN 53505)
Volume Change:	< 3%	(DIN 52451)
Green Strength:	300 Pa	(Physica Rheometer MC100)
<small>(maximum load which can be applied per m² uncured adhesive without sagging)</small>		
Tensile Stress (100%):	245 psi (1.7 MPa)	(DIN 53504/ISO 37)
Tensile Stress (at break):	375 psi (2.6 MPa)	(DIN 53504/ISO 37)
Elongation (at break):	250%	(DIN 53504/ISO 37)
Shear Stress:	360 psi (2.5 MPa)	(DIN 53283/ASTM D1002)
<small>(Aluminum-Aluminum; adhesive thickness 0.062-in. or 1/16-in. (2mm), test speed 2-in./min. (50 mm/min.)</small>		
E-Modulus (10%):	475 psi (3.3 MPa)	(DIN 53504/ISO 37)
Solvent:	0%	
Isocyanate:	0%	
Temperature Resistance:	-40°F to 250°F (-40°C to 120°C)	
Temperature Resistance:	350°F (180°C)	(max. 1/2 hr)
Application Temperature:	40°F to 95°F (5°C to 35°C)	
UV and Weather Resistance:	Excellent	
Colors:	White, Grey, Black	
Packaging <small>(Note: sizes subject to change):</small>	Bostik® 70-03A —10 fl.oz. sausage, 20 fl.oz. sausage, 5 gallon pail, 52 gallon drum Simson ISR 70-03 —290 ml cartridge, 600 ml sausage, 20 L pail, 200 L drum	

* Also, available in a longer open time version as Bostik® 70-03A-SKF.

STORAGE STABILITY

Bostik® 70-03A / Simson ISR 70-03 may be stored for 12 months in closed (unopened) sausages in a dry place at temperatures between 40°F and 90°F (5°C and 30°C).

SAFETY PRECAUTIONS

No specific safety precautions required. Consult safety data sheet.

TRANSPORT CLASSIFICATION

Not applicable.

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