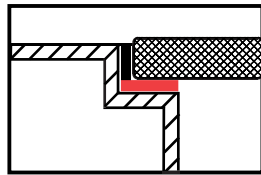




INDUSTRIAL SPECIAL RANGE



Bostik® 70-08A



ISR 70-08

The Simson Industrial Special Range is a range of high tech quality products especially developed for industrial applications.

PRODUCT

Bostik® 70-08A / Simson ISR 70-08 is a high quality product based on Silyl Modified Polymer (SMP), especially developed for bonding windscreens. Bostik® 70-08A / Simson ISR 70-08 provides a rapid and efficient way to fasten many different materials for OEM, coach works, mobile units, etc., especially where immediately or shortly after installation objects have to be moved during the manufacturing process. Bostik® 70-08A / Simson ISR 70-08 conforms to FMVSS 212.

FEATURES

- Bostik® 70-08A / Simson ISR 70-08 combines the advantages of a tape with the advantages of a reactive system. Immediately after installation the product has a *high green strength* (a high internal strength), which results in a very heavy paste with an extremely good slump resistance. Reaction starts with moisture and results in an irreversible vulcanised adhesive. The high green strength coupled to the high tack makes the product very suitable for those applications where the parts have to be transported immediately or shortly after installation.
- Bostik® 70-08A / Simson ISR 70-08 adheres well without primer on glass and no UV resistant primer is needed when the glass-adhesive interface is UV-protected by a ceramic coating.
- Solvent-, isocyanate- and PVC-free.
- Very good UV resistance and ageing properties.
- In general, good adhesion on several substrates without the use of a primer.
- Permanent elastic within temperatures from -40°F to 212°F (-40°C to +120°C).
- Neutral and odorless curing.
- Low volume shrinkage.
- Low electrical conductivity.

METHOD OF USE

Bostik® 70-08A / Simson ISR 70-08 can easily be extruded with a hand or air pressure gun at temperatures between 41°F to 95°F (+5°C to +35°C). The speed of application can be improved by heating up to 158°F (70°C) maximum. For good adhesion, a clean, dry and grease free surface is necessary. Cleaning of the ceramic coated layer can be done with Simson "wash" Primer M (a one-step pretreatment) or Isopropyl alcohol. The pretreatment with Simson Primer M is also adequate for many closed surfaces like e.g. aluminum, coated steel, polyester (GRP). For more details concerning Simson Primer M, consult the specific technical information data sheet. Within a few minutes after applying Simson Primer M, the screen can be bonded. The screen has to be bonded within 15 minutes after applying Bostik® 70-08A / Simson ISR 70-08. The drying time of the 'wash primer' can be reduced to seconds if a hot air blower is used. When no ceramic coating is available or the ceramic coating doesn't supply sufficient UV protection, Simson Primer G is needed after the screen has been cleaned with Isopropyl alcohol, unless a cover shields the glass-adhesive interface from UV radiation.

Cleaning tools or removing uncured residue of Bostik® 70-08A / Simson ISR 70-08 can be done with a clean colourless cloth, wetted with Isopropyl alcohol. It is recommended to make a trial first to check possible attack of the substrate by Isopropyl alcohol.

Bostik® 70-08A / Simson ISR 70-08

TECHNICAL DATA

Basic Material	Silyl Modified Polymer (SMP)	
Curing Method	Moisture	
Specific Gravity	ca. 1.4 g/ml	
Skin Forming Time	ca. 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	ca. 3 mm	(70°F/20°C @ 50% R.H.)
Shore A Hardness	ca. 65	(DIN 53505)
Volume Change	< 3%	(DIN 52451)
Green Strength	ca. 1800 Pa	(Physical Rheometer MC100)
	(Maximum load which can be applied per m ² uncured adhesive without sagging)	
Electrical Volume Resistivity	> 10 ¹¹ Vcm	(DIN 53482)
Tensile Stress (100%)	300 psi (ca. 2.1 MPa)	(DIN 53504/ISO 37)
Tensile Stress at Break	420 psi (ca. 2.9 MPa)	(DIN 53504/ISO 37)
Elongation at Break	ca. 225%	(DIN 53504/ISO 37)
Shear Stress	360 psi (ca. 2.5 MPa)	(DIN 53283/ASTM D1002)
	(Aluminum-to-Aluminum; adhesive thickness 2mm, test speed 50 mm/min.)	
Tear Propagation	ca. 13 N/mm	(DIN 53515/ISO 34)
	(Type C, test speed 500 mm/min.)	
E-Modulus(10%)	623 psi (ca. 4.3 MPa)	(DIN 53504/ISO 37)
Solvent Percentage	0%	
Isocyanate Percentage	0%	
Temperature Resistance	40°F to 212°F (-40°C to +120°C)	
Temperature Resistance	356°F (+180°C)	(max. 1/2 hr)
Application Temperature	41°F to 95°F (+5°C to +35°C)	
UV and Weather Resistance	Very good	
Color	Black	
Packaging (Note: Sizes subject to change):	Bostik® 70-08A — 20 oz. sausage, 5 gallon pail, 52 gallon drum Simson ISR 70-08 — 290 ml cartridge, 400 ml sausage, 20 L pail, 200 L drum	

STORAGE STABILITY

Bostik® 70-08A / Simson ISR 70-08 may be stored for 12 months in a closed (unopened) container in a dry place at temperatures between 41°F to 86°F (5°C to 30°C) (cartridges 18 months).

SAFETY PRECAUTIONS

No specific precautions required. Consult safety data sheet.

TRANSPORT CLASSIFICATION

Not applicable.

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