



Bostik

SIMSON ISR 70-08 AP

DIRECT GLAZING ADHESIVE

21 November 2021

YOUR SMART ADVANTAGES

- **Bostik Simson ISR 70-08 AP** combines the advantages of desired properties of structural sealants including polyurethanes. **Simson ISR 70-08 AP is not reliant on the primed system to provide a cross-linking covalent bond (less chances of applicator error).**
- Immediately after installation the product has a high Green Strength (a high internal strength), which results in a heavy paste with an extremely good slump resistance. Reaction starts with moisture and results in an irreversible vulcanized adhesive. The high green strength coupled to the high tack results in rapid bonding and makes the product very suitable for those applications where the vehicles have to be released (or moved) shortly after installation.
- **Bostik Simson ISR 70-08 AP** adheres well without black glass primer on glass and no UV resistant primer is needed when the glass adhesive interface is adequately UV-protected by a ceramic coating.
- **Solvent-isocyanate- and PVC free.**
- Excellent UV resistance and ageing properties.
- Excellent temperature resistance, permanent elastic within temperatures from -40°C till +120°C.
- No odour
- Paintable
- Very low electrical conductivity. Suitable for use with window aerials
- Prevents contact corrosion on aluminium substrates
- Non staining – less than 1% carbon black content
- Possible reduced or no clamping required

45 MINUTES DRIVE AWAY IN VEHICLES WITH DUAL AIRBAGS*

MEETS U.S. SAFETY STANDARDS
 FMVSS212 WINDSHIELD RETENTION TEST
 FMVSS208 OCCUPANT CRASH PROTECTION TEST

DESCRIPTION

Bostik Simson ISR 70-08 AP is a high quality Silyl Modified Polymer (SMP) based Direct Glazing Adhesive especially developed for the rapid and efficient bonding of windscreens in the Auto Aftermarket as well as in OEM, Bus, Coach & Train building and other areas of the Transport market, especially where vehicles have to be released (or moved) shortly after installation.

USES

Bostik Simson ISR 70-08 AP is specially designed for the rapid replacement of windscreens.

PRODUCT CHARACTERISTICS

| | |
|-------------------------------|-----------------------------------------|
| Colour | Black |
| Basic Material | Silyl Modified Polymer (SMP) |
| Specific Gravity | Approx. 1.5 |
| Curing Method | Moisture |
| Skin Forming Time | approx. 15 min (20°C/50% R.H.) |
| Open Time | <15 min. (20°C/50% R.H.) |
| Tensile Stress at Break | approx. 2.9 MPa (DIN 53504/ISO37) |
| Elongation at Break | approx. 250% (DIN 53504/ISO37) |
| Shear Stress | approx. 2.4 MPa (DIN 53283/ ASTM D1002) |
| Isocyanate Percentage | 0% |
| Temperature Resistance | -40°C to +120°C |
| Temperature Resistance | +180°C (max ½ hr.) |
| Curing Speed after 24 hrs | approx. 3 mm (20°C/50% R.H.) |
| Shore A Hardness | approx. 60 (DIN 53505) |
| Volume Change | <3% (DIN 52451) |
| Electrical Volume Resistivity | >10 ¹¹ Ωcm (DIN 53428) |
| Tensile Stress (100%) | Approx. 2.3 MPa (DIN 53504/ISO37) |

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PRODUCT CHARACTERISTICS Cont.

| | |
|----------------------------------|--------------------------------------|
| Tear Propagation | approx. 16N/mm (DIN 5315/ISO34) |
| E-Modulus (10%) | Approx. 5.5 MPa (DIN 53504/ISO37) |
| Solvent Percentage | 0% |
| Application Temperature | +5°C to +35°C |
| UV-and Weather Resistance | Very Good |
| Chemical Resistance | Good |
| Product code | |
| 290ml Cartridge/12 per Cartridge | 30600958 |
| 600ml Sausage /12 per Sausage | 30600956 |

APPLICATION INSTRUCTION

Surface Preparation

a. Replacement Fixed Glass

Preparation of a window with black ceramic band:

1. Ensure the surface of the glass is clean and dry, dust and grease free.
2. Use clean, lint and colour free cotton cloth to wipe the bond area with appropriate cleaner.
3. Let dry for approximately 5 minutes before you continue with the application of the adhesive.

Preparation of a Window without Black Ceramic Band:

1. Ensure the surface of the glass is clean and dry, dust and grease free. Use a clean, lint and colour free cotton cloth, wet with appropriate cleaner to wipe the surface of bond area, leaving a very thin film (discard cotton cloth), then rub the surface with a clean, lint and colour free cotton cloth using a buffing action.
2. **Important Note:** Don't use any activator that has a milky appearance.
3. Shake Simson Prep G Plus bottle thoroughly for at least 30 seconds or more.
4. Open bottle: **Important Note** – Don't use any primer that has gelled or separated.
5. Apply primer, with a clean dry dauber, evenly in one pass, onto the prepared bond area surface to give a continuous primer film. Leave to dry for 10 minutes.
6. The primed area must be covered by **Simson ISR7008AP** within 3 hours. If it is not applied within 3 hours, reapply the **Simson Prep G Plus** as per above, starting with instruction 2

Preparation of the Body:

Preparation of a freshly painted metal-flange:

1. Ensure the surface of the freshly painted metal-flange is clean, dry, dust and grease free.
2. Use a clean, lint and colour free cotton cloth to apply **Simson Prep M** to the surface of the freshly painted flange, leaving a very thin film.
3. Let dry for approximately 5 minutes.

Repair of damaged paint layer:

1. Ensure the surface of damaged paint layer is clean and dry, dust and grease free.
2. Shake **Simson Prep G Plus** Bottle thoroughly for at least 30 seconds or more, open bottle and apply **Simson Prep G Plus** onto damaged area with a dauber.
3. Ensure that no primer is applied to the freshly cut adhesive!
4. Leave to dry for 10 minutes before applying the adhesive or before installing the windscreen with adhesive.

b. Application of Bostik Simson ISR 70-08 AP

Extrude a minimum 9x9 mm triangular bead of Simson 70-08 AP onto the bond area (between the dam of closed cell double sided polyethylene foam tape and the edge of window or the metal flange/freshly cut out old adhesive).

After extruding the Simson 70-08 AP, the window must be put into place as soon as possible to avoid any contamination and must be installed within 15 minutes.

c. Clean up after Installation

Excess material should be removed by wiping with clean dry cloth. Remaining material should be cleaned with Bostik Handy Wipes Towels or IPA (Iso propyl alcohol).

STORAGE & SHELF LIFE

Store in a cool, dry place, out of direct sunlight. Storage areas must be well ventilated and comply with Local, State and Federal regulations. For maximum shelf life, store between 5° and 20°C.

Shelf life is up to 12 months when stored in original, unopened containers, under the above conditions.

HEALTH & SAFETY

Obtain and read Material Safety Data Sheet, for details on Health and Safety information, prior to use of the material.

PACKAGING

Simson ISR 70-08 AP is available in 290 mL cartridges and 600 mL sausages.

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PRECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit www.bostik.co.nz for copies.

For emergency information contact the Poisons Information Centre, phone 0800 764 766 or the Emergency Response Service, phone 0800 243 662

BOSTIK HOTLINE

Smart help 0508 222 272



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