

**TECHNICAL DATA SHEET****ESSRBOND 789**

TDS No: CG-TDS-225, Date: Jan. 2023



ESSRBOND 789 is a one part, general purpose sealant based on Silicone polymer, suitable for sealing joints subjected to movement of up to +/-50 % of the original width. It has good adhesion to wide variety of substrate such as plywood, Concrete, GI, MS, aluminium, FRP etc.

**ADVANTAGES**

- No Shrinkage.
- Paintable with common water based paints
- Adhesion to most common building materials
- Single component with fast rate of cure
- Easy to apply
- Can be applied to damp substrates
- Primer less for most applications
- UV resistant and colour stable
- Excellent Resistance to weathering
- Performs as an acoustic sealant
- Available in a range of colours
- Environmentally friendly
- Low Dirt pickup

**SPECIFICATIONS**

- ASTM C 920
- Manufactured under ISO 9001

**TECHNICAL DATA**

Curing System	: Moisture Curing
Colour	: White / Black / Grey
Density Approx.	: 1.3 g/mL
Skin over time	: 20 - 30 minutes
Curing time @ 23°C/ 50% RH	: 2 - 3 mm / 24 hr.
Shore A Hardness (ASTM C661)	: 35 – 45
VOC content	: < 2%
Tensile strength	: 1.5 Mpa Approx.
Elongation at break (ASTM D412)	: 400% Approx.
Application Temperature	: 5°C to 40°C
Service Temperature	: -30°C to 150°C
Maximum joint width	: 25

**SURFACE PREPARATION**

Ensure that all surfaces are clean, dry, and free from all loose dirt, dust, laitance, oil, grease or any other contaminants, which may impair adhesion. Metal surfaces should be cleaned and degreased. For a neat finish, apply masking tape and remove it before sealant has skinned over.



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### APPLICATION

Cut tip off cartridge / sausage with a sharp knife. Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun. Firmly extrude the sealant into slot ensuring complete contact with joint faces. Tooling time is 15 minutes, tack free time is 20 - 30 minutes. The sealant should be tooled shortly after application before skin forms to ensure good contact with joint substrates.

Uncured sealant can be cleaned up with mineral spirits. Use approved backing material for joints over 10mm deep.

### SAFETY PRECUATION

- Uncured adhesive / sealant causes skin and eyes irritation upon contact.
- Avoid contact with eyes, skin and mouth.
- In case of contact with eyes, flush with water immediately for 15 minutes. If irritation persists, seek medical attention.
- Keep out of reach of children. Use in well ventilated areas.

### PACKING

CGSEAL 789 is supplied in 600ml Al foil Sausages packed in boxes of 20. and 310 ml plastic cartridge packed in boxes of 25.

### STORAGE

Store in a dry, cool place with temperature below +30°C. Use within 12 months of the date of production.

### NOTE

The company's products are sold subject to the Company's standard terms and conditions of sale. Products are warranted against defective materials and workmanship. The company makes every effort to ensure that all the information, recommendations or the specifications provided by it are accurate and true. However as the company has no control over the conditions of use, it cannot accept any liability, either directly or indirectly regarding the usage of its products. Product specifications are subject to change without prior intimation to users as the products are being continuously upgraded.