

TECHNICAL DATASHEET

Building Trades Silicone

Description & Uses

A premium, neutral cure silicone sealant, exclusively created for weather sealing and glazing applications. Suitable for adhesion to a wide range of porous and non-porous substrates, Building Trades Silicone forms a flexible weatherproof seal.

The fast curing, high viscosity, long lasting formula is not affected by exposure to sunlight, rain, snow with exceptional resistance to temperature extremes. Low odour and non-corrosive, providing permanent elasticity.

Ideal for:

- Perimeter sealing of wood, aluminium and PVCu door and window frames.
- Weather sealing and joint sealing for walls, windows and doors.
- For building and constructions joints, including joints between different materials, and expansion joints.
- Sealing applications of marble, stone and other porous substrates.

Surface Preparation

The following cleaning procedure and materials are recommended:

Glass	Degrease with alcohol or MEK
Aluminium, light alloys and stainless steel	Degrease with alcohol or MEK
Other metals	Lightly abrade then degrease as above
Wood	Lightly abrade surface then remove dust
Plastics	Degrease using an agent recommended by plastics manufacturer
Concrete and other alkaline surfaces	Brush and remove dust

Directions

- Ensure all surfaces are clean, sound, dry and free from dust, grease or other contaminants. Old silicone should be removed using a silicone remover.
- In order to reduce the deformation of the joints, their depth must be much less than their width, minimum dimensions are 5x5mm, for wider joints the depth should be preferably half of the width and should be adjusted with the use of a backup material.
- Fill any gaps or voids with Alpha Chem Expanding Foam or suitable backing tape or rod.
- Cut thread and then the nozzle to the required size.



- Apply sealant with a sealant gun and tool down using a spatula wetted with soapy water within 5 minutes of application in order to obtain a professional finish.
- Excess uncured sealant should be cleaned with solvent. Cured sealant can be removed mechanically.
- It is the user's responsibility to dispose of all packaging correctly.
- Recommended joint widths are >10mm and <35mm.
- Joint width and depth ratio should be about 2:1.

Storage

Store in cool, dry conditions between +5°C and +25°C.

Shelf Life

15 months from date of manufacture if stored in original, unopened packaging.

Limitations

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Not overpaintable.
- Do not use in conjunction with bitumen asphalt, neoprene and certain organic elastomers.
- It is not suitable for food contact applications.
- Not suitable for swimming pool joints.
- Can yellow if exposed to bleach or HCL based brick cleaners whilst curing.
- It is the user's responsibility to ensure suitability for use. Safety Data Sheet available on request.

Technical Data

Density	Trans: 0.98± 0.03 g/ml (ASTM D 792) Colours: 1.30± 0.03 g/ml (ASTM D 792)
Hardness Shore A	Trans: 25-30 (after 28 days) Colours: 30-35 (after 28 days)
Tensile Strength	≤ 0,4 N/mm ² (23°C and 50% R.H) (ISO 8339)
Skin Formation	5-10 min. (23°C and 50% R.H)
Curing Rate	Min. 3 mm/day (23°C and 50% R.H)
Elongation at Break	Trans & Bronze: ≥ 300% (ASTM D 412) Colours: ≥ 250%
Elastic Recover	Approx 100 % (ISO 7389)
Sagging	0mm (ISO 7390)
Temperature Resistance	-60°C to +180°C
Application Temperature	+5°C to +40°C

Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail info@cromar.uk.com.

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