

Our Contractors Silicone – Acetic Cure is a one part, 100% acetic curing silicone adhesive sealant. This economic grade is easy to use and has been designed for general purpose glazing and sealing applications that require long term performance.

Contractors Silicone is unaffected by high and low temperatures and offers superior physical and adhesion. Both weathering and UV resistance are excellent. This silicone is non-slump, fast curing and offers excellent adhesion to a range of materials (including glass, wood, ceramic, aluminium and many plastics). It is 5 Star VOC Compliant.



### Applications

Typical applications for our Contractors Silicone – Acetic Cure include:

- Glazing of frames, panels and shop fronts
- Sealing refrigerated rooms
- Sealing sheet metal skylights
- Sealing and bond ventilation and air-conditioning ducting and units
- Assembly of metal / plastic signs
- Weatherproofing
- For making formed in place gaskets

### Technical Details

Property	Value
Cure Method	Acetoxy
Sag / Slump	Non-Slump (0.1%)
Hardness (ASTM D2240)	28 Shore A
Tensile Strength	1.7 MPa
Dynamic Joint Movement	±25%
Skin Over Time (@ 25°C and 50% Rh)	5-10 Min.
Cure Time (10mm Bead) (@ 25°C and 50% Rh)	5-7 Days
Specific Gravity	1.04
Temperature Rating	-62°C to +180°C

### Calculating the Required Quantity

You can work out the amount you will likely need by using the following formula:

$$\text{Number of 300gm Cartridges} = \frac{\text{Joint Width (in mm)} \times \text{Joint Depth (in mm)} \times \text{Joint Length (Metres)} \times 1.15}{292}$$

Please Note: This allows for 15% wastage and assumes rectangular joints.

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#### Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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## Specifications

Typical data values should be used for precise specification purposes as individual applications will vary. A thin bead of sealant will tolerate more movement than a thick bead. Joint width and depth should not be less than 4mm. Maximum joint widths should not exceed 25mm. Joint depths should be half the width, with a maximum depth of 10mm.

Polyethylene closed cell foam rod is the suggested backing material for providing the correct depth of the joint. If the joint is too shallow, use a polyethylene tape bond breaker. Do not allow the silicone sealant to contact the back of the joint or any staining materials.

## Surface Preparation

Surfaces must be clean, dry and free of dirt, grease, oil, rust and water. Do not use soap or detergent for this. If conducting remedial work or applying this silicone to previously bonded parts, all existing sealant must be removed prior to application of the new silicone.

## Application

Cut nozzle at 45° angle to desired bead width and apply to substrate with a caulking gun within 5 minutes. Uncured silicone sealant can be cleaned with mineral turpentine.

Some surfaces may require the use of a primer beforehand. If so, allow the primer to dry before applying the silicone. Use approved backing material for joints greater than 10mm deep. For a neat appearance of the joint, use masking tape. Always remove masking tape before the silicone adhesive sealant has skinned over.

## Health and Safety

This product will emit acetic acid while curing. Use only in well ventilated areas and avoid breathing in vapour. Avoid contact with skin, eyes and mouth. Please do consult the associated Safety Data Sheet before use for further information and instruction.

## Limitations

Contractors Silicone is not recommended for use with concrete, marble, galvanised steel, lead surfaces or for fixing mirrors without the manufacturers approval. Do not use on submerged joints where porous substrates permit water to the bond interface. Do not use for aquarium manufacturing. This grade cannot be painted as paint will not adhere to it. If using with laminated glass or certain grades of rubber, care should be taken to ensure that bleeding of the plasticiser will not occur.

## Shelf Life

Minimum shelf life is 12 months if stored in a cool dry place. Storage temperature should not exceed 25°C as this will limit the shelf life.

## Available Sizes and Colours

Contractors Silicone – Acetic Cure is available in 300gm Cartridges. Available colours are...

- White
- Translucent
- Black

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