

# CONSTRUCTION SERIES SEALANT

## Description

Construction sealant is a one part sealant widely used for new construction, remedial work and maintenance. When used on glass surfaces, this ready to use sealant requires no primer. Primer may be required on other substrates. Proven performance, provides the ultimate in properties ranging from high strength and outstanding adhesion to long life. This acetoxy-base silicone exhibits very rapid curing time. Key Performance Properties Non slump One part ready to use Fast curing Outstanding weatherability Premium Adhesion Easy Application

## Key Performance Properties

- NON SLUMP
- ONE PART READY TO USE
- FAST CURING
- OUTSTANDING WEATHERABILITY
- PREMIUM ADHESION
- EASY APPLICATION

## Applications

Construction has excellent adhesion to glass, ceramics, aluminium, granite and many plastics.

It can be used for \* Structural - recommended for two or four-sided structural glazing of monolithic glass and metal panels, as well as general-purpose glazing. Standard and Butt glazing of frames panels and shop fronts. Construction sealant has resealed many structures successfully after failures by other sealants.

## Specifications

Typical product data should not be used as specifications. Product specification sheets are available upon request from Sealants Australasia Pty Ltd.

| PROPERTY                    | VALUE                |
|-----------------------------|----------------------|
| CURE METHOD                 | ACETOXY              |
| COLOUR                      | Trans, White, Black. |
| SAG/SLUMP                   | Non-Slump (0.1")     |
| HARDNESS (ASTM D2240)       | 28 Shore A           |
| TENSILE STRENGTH            | 470 PSI - 3.2 MPa    |
| DYNAMIC JOINT MOVEMENT      | ±25%                 |
| SKIN TIME @25°C/50% RH      | 5 min                |
| CURE TIME 10mm @25°C/50% RH | 5-7 Days             |
| OPERATING TEMPERATURE       | -62c to 204°C        |
| SPECIFIC GRAVITY            | 1.04                 |



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## Application

A thin bead of sealant will tolerate more movement than a thick bead. Joint width and depth should not be less than 4 mm. Maximum joint width should not exceed 25 mm. Depth should be half the width with a maximum of 10 mm. Polyethylene closed cell foam rod is the recommended as back up material to provide the correct depth of 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

All surfaces must be clean, dry, sound, and free from dust, oil, rust, or any other contamination. Metal should be cleaned with a non-oily solvent. Solvent should be wiped from the surface with a clean dry cloth. Use an alcohol such as methylated spirits on glass. For pastiches contact the manufacturer for a recommended cleaning solvent. When used on remedial work all existing sealant must be removed.

## Packaging

300grms Cartridge - Available in carton of 20.  
Product Packed in Australia.

## Health And Safety

Contact with uncured product could irritate eyes. In case of eye contact immediately flush with water for 15 minutes and seek medical advise. Use in well ventilated areas. Keep out of reach of children. Avoid contact with skin or clothing.

**KEEP OUT OF REACH OF CHILDREN.**

## Limitations

Construction Sealant - is not recommended for use: With concrete, marble, galvanised steel, lead surfaces, or the fixing or mirrors without the manufacturers approval. On submerged joints where porous substrates permit water to release the interface. For use on some laminated glass or certain rubber products where bleeding of plasticiser may occur. SA must be consulted prior to use in structural glazing applications.

## Storage/Shelf Life

The shelf life of Silicone N is 12 months if stored in a cool dry place. The storage temperature should not exceed 25°C as this will decrease shelf life.

## Sealant Volume Calculator

Number of 300gm Cartridges =  
 $\text{Joint Width (mm)} \times \text{Joint depth (mm)} \times \text{Joint length (meter)} \times 1.15^* \text{ Divided by } 292$

*\* Please note: 1.15 Allows for 15% wastage. Joints are assumed rectangular*

