



tradition • innovation • quality

General Silicone Sealants

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DOWSIL™
silicones by **DOW**

Imagine enhancing productivity, improving reliability and minimizing stress with advanced silicone adhesives and sealants.

Dow Performance Silicones describe the history and evolution of silicone technology, which generated a legacy of innovative and reliable products under the Dow Corning label for more than seven decades. Today that legacy continues under the DOWSIL® brand name, which encompasses more than 7,000 proven silicone products and services.

a.b.e.® Construction Chemicals is the technical distributor of Dowsil® sealants in Southern Africa.

Sealing, bonding and adhering a variety of substrates

Adhesive and sealant formulations can be classified in a number of ways, including organic or inorganic; acrylic, polyurethane, polysulphide or silicone based; and chemical, moisture, heat or UV curing, among others. They are used to achieve reliable, long-lasting bonds with a wide range of substrates, including concrete, ceramics, metals, glass and filled plastics, many without the need for mechanical fastening and clamping.



External weather seals



Expansion joints and perimetral joints in buildings, walkways and traffic roads



Ideal for use in precast concrete, aluminium window and doors, interiors and renovation projects



Good unprimed adhesion to a variety of substrates

Application

1. Joint width wide enough to accommodate movement. Minimum width should be 6 mm (1).
2. Joint depth needs to be accommodated for correct joint design (1).
3. Areas adjacent to the joints should be masked with tape (2).
4. Proper backing cord placement to prevent three-sided adhesion (3).
5. When back-up material is required, a closed cell polyethylene backer rod is recommended (3).
4. Sealant installed to proper depth (maximum 15 mm) and width (3).
5. The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate.

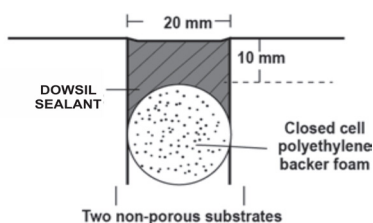


Figure 1

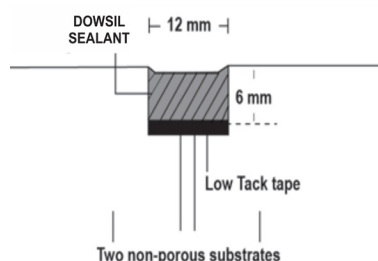


Figure 2

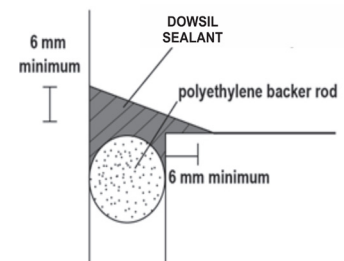


Figure 3

SILICONES, SEALANTS & ADHESIVES PRODUCT SELECTOR

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General Silicone Sealants

Dowsil® 813C

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Conforms to ISO 11600-F-25LM

Construction and Concrete Silicone Sealant

A one part, neutral curing and low modulus. Suitable for interior and exterior applications, such as external weatherseals, expansion joints and perimeter joints in buildings, pedestrian walkways and all types of construction.

Advantages:

- Good unprimed adhesion to a variety of substrates.
- Joint movement capability +50%, -50%.
- Excellent weatherability –virtually unaffected by sunlight/ultra-violet radiation, rain, snow, ozone and extreme temperatures of -40 °C to 149 °C.
- Offers durable adhesion to a range of porous and non-porous surfaces including concrete, masonry, brick, PVC-U, aluminium (anodised and powder coated) wood and some metals used in construction without danger of corrosion from the sealant.



Alice Lane Phase I, Gauteng

Dowsil® 781

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Conforms to ISO 11600-F&G-20LM

Acetoxy Silicone Sealant

A one part, fast curing high modulus silicone sealant with good adhesion to a number of non-porous surfaces including glass, aluminium, glazed ceramic, painted surfaces, and composite boards. Excellent resistance to aging, shrinkage cracking and discolouring.

Advantages:

- High strength
- Good elasticity
- Resistant to ozone, UV radiation and temperature extremes



Bathrooms

Dowsil® 799

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Conforms to ISO 11600-F&G-25LM

Silicone sealant for glazing and weather sealing of windows

A clear, fast cure, neutral cure construction silicone sealant designed for weatherseal applications including perimeter sealing of doors and windows. Sealing around metal building flashings, gutters and gutter outlets and also conventional glazing applications.

Advantages:

- Non-corrosive
- Fast cure – 5 to 10 minutes tooling time and 20 minutes tack free time
- Excellent weatherability
- Excellent elasticity



Doors and windows

Seal the Deal

Reputation, reliability and safety. These are “words to succeed by” in the professional building trades. To build that success, you need high quality, durable materials with proven performance in tough conditions. Bring the best adhesives and sealants to the job site for waterproofing, sealing, bonding, adhering, gap filling, window installation, glazing, fire protection and improved aesthetics.

We strive to innovate the advanced materials to help you gain longer lifecycles, prevent breakdowns and ensure long-term reliability and performance.

Contact us today and get a quote.

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