

CLADSEAL

Cladding & Façade Silicone

10th March 2020

SMART ADVANTAGES

- Excellent adhesion properties to Composite Panels
- Ideal for Aluminum Façade systems
- Stays permanently flexible
- +/- 50% Joint movement capabilities (ASTM C-719)
- Suitable for interior and exterior applications
- Unaffected by rain, snow or extreme temperature change
- Ultra violet resistant
- 10 year product warranty

DESCRIPTION

Bostik Cladseal is a high performance silicone that can be utilised for adhesion of wide variety of external cladding and façade solutions. **Bostik Cladseal** is a gun grade compound specifically manufactured for staying permanently flexible and allowing up to +/- 50% movement. It is not impacted by unfavorable weather conditions.

USES

- Composite panels and aluminium Façade systems
- Metal roofing systems
- Weather proofing applications
- Lap joints in Zinalume®, Colorbond® and other decorative sheet metal
- Skylights, Mitsubishi Alpolc Façade panels, metal PVC flues and extraction units
- Air conditioning ducting and sheet-metal fabrications
- General purpose adhesion and sealing for building materials such as steel, aluminium, glass, concrete, brick, ceramic and terracotta

PRODUCT CHARACTERISTICS

30617138	590ml Sausage White
30617136	590ml Sausage Light Grey
30617135	590ml Sausage Alu Grey
30617137	590ml Sausage Black

Skin Time	6 – 10 minutes
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Tack Free Time @ 20°C (ASTM C679)	3-4 hours
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Cure Time – 6mm depth @ 24°C & 50% RH	3-4 days
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Sag or slump	Nil
Shore "A" hardness (ASTM D-2440)	24
Tensile strength (ASTM D-412)	2.35mPa
Cure Method	Neutral (Oxime)
Application Range	+10°C to +40°C
Service Temperature Range	-48°C to +149°C

SURFACE PREPARATION

Surfaces to be sealed must be clean, dry and free of wax, grease, cutting oils or any loose or flaking materials. Use the two-wipe process for impervious substrates. Ensure the cloths are clean, changed frequently and use a suitable cleaner/solvent such as 100% White Spirits.

To achieve satisfactory adhesion, a primer may be required for some substrates. Consult Bostik Technical for more information.

APPLICATION

Use masking tape each side of joint to simplify clean up, to protect surfaces and to ensure a neat job.

Use appropriate cell polyethylene backing rod, 25% larger than the joint width, to control joint depth where required.

Cut nozzle at 45° angle to desired thickness. Cut opening on cartridge and fix nozzle. Insert cartridge into caulking gun. Hold at 45° angle with nozzle in contact with both sides of joint. Apply by pushing sealant ahead of nozzle, thus ensuring sealant is pushed firmly into place.

Tool off/smooth before skin forms (within 5 minutes). Remove excess sealant immediately using a cloth dampened with mineral turpentine or Iso-propanol. If used, remove masking tape before skinning has started. Cured sealant can be removed by trimming with a sharp blade.

The incompatibility of some substrates may cause some discoloration of sealant, poor sealant adhesion or long-term degradation of the sealant. Always carry out compatibility tests where potentially incompatible material occurs.

Note: Do not allow wet or cured sealant to sit on protective film of panels. Paint discoloration may occur as a result.

BOSTIK CLADESEAL

SETTING TIME

Sealant will skin over within 10 minutes (subject to humidity in air – lower humidity will result in longer skin over time and cure and vice versa).

LIMITATIONS

Bostik Cladseal is **not** suitable for use in the following applications:

- Totally confined spaces as it requires atmospheric humidity to cure
- Aquariums
- Adhering Mirrors (Bostik V60 can be used – test first)
- Structural Glazing (Bostik V70 – refer to guidelines first)
- Under water applications (including swimming pools subject to substrate). Refer to Bostik technical department for recommendations on such applications
- Below grade applications
- All stone (Bostik recommends the completion of stain testing program before using any sealant on stone). Bostik 5CLM is recommended for marble and granite (after stain test)
- Horizontal walkways and trafficable areas
- Polycarbonate sheeting
- Sealant May discolour copper and brass
- Silicones are not always compatible with plasticized sealants, such as butyls
- Some backing rods and tapes contain bitumen or other agents that are incompatible with the silicone.
- Oxime silicone sealants will tend to display a slight colour shift with age

STORAGE & SHELF LIFE

Store between 5°C-25°C in a dry, ventilated area, out of direct sunlight.

The shelf life of Bostik Cladseal Cladding & Facade Silicone is 18 months from date of manufacture when stored in recommended conditions.

HEALTH & SAFETY

In case of product emergency, refer to product liability or SDS and contact phone numbers. A copy of the product SDS is available from Bostik or its distributors.

FIRST AID: If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766)

BOSTIK HOTLINE

Smart help 1800 267 845

