

PRODUCT DATA SHEET

CONSTRUCTION SEALANT

Applications

- Construction Sealant is a one-component Sealant designed for site or factory designed glazing and curtained wall production. It requires contact with air as it reacts with atmospheric moisture to cure to a tough but flexible silicone rubber.
- Construction Sealant can be used where dual structural and weather seal applications are desired. It has up to 50% movement capability in well-designed weather seal joint.

Features

- Meets ASTM C1184 for Structural Silicone Sealant
- Meets ASTM C719 Class 50 High movement capability 50% in well designed weather seal joint
- Excellent adhesion to a wide range of substrates including glass, anodized and coated aluminium profiles
- Non corrosive cure system

Benefits

- Ease of use – all temperature gun ability and easy tooling
- The cured product exhibits excellent weathering characteristics, sound proofing and a high resistance to ultra-violet radiation, heat and humidity.
- High ultimate tensile strength which makes it suitable for structural bonding applications
- Excellent mechanical properties

Description

Construction Sealant is a one-part cure, architectural-grade sealant that easily extrudes over a wide temperature range. This cold-applied, non-sagging silicone material cures to a medium-modules rubber upon exposure to atmospheric moisture. The cured sealant is durable and flexible enough to accommodate 50% percent movement of original joint dimension when installed in a properly designed weather seal joint. In a properly designed structurally glazed joint.

Colors

- Construction Sealant is available in 2 colors : white, gray

How to use

- When Construction Sealant is used in structural applications the structural joint design.

Joint Design

STRUCTURAL JOINTS SEALED with Construction Sealant should have a minimum depth (or bite) of 6mm. or large site-glazed joints the sealant or bite should be not more than 12mm when the sealant can cure from one side only. When an open –cell moisture permeable spacer tape is used, a structural bite up to 24mm can cure to optimum strength. The exact structural bite should always be calculated. The thickness of the structural sealant joint or glue line should be 6mm minimum. As it must accommodate thermal and dynamic movements the actual joint movements should be calculated. Ideally the bite to glue line ratio should be not more than about 3:1.

Preparatory Work

Thoroughly clean all substrates to be sealed, removing all contaminants such as grease, oil dust, frost or water. All metal, glass, or other surfaces should be cleaned with the recommended solvent, using a lint free cloth.

Method of Application

Install backing material or joint filler, setting blocks, spacer shims and tapes. Mask areas adjacent to joint to ensure neat sealant lines. Apply Construction Sealant in a continuous operation using positive pressure. (The sealant can be applied using many types of bulk dispensing equipment). Before a skin forms (typically within 15 minutes), tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces. Remove masking tape as soon the bead is tooled.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT.

Usable life and Storage

- When stored at or below 27 C (80F)
- Construction Sealant has a shelf life of months from the date of manufacture. Refer to product packaging for Use by Date.

Packaging Information

Construction Sealant is supplied in 780-gram foil sausage.

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