Dow Corning® C60

Features and Benefits

- Specially developed for use by sealant contractors
- Low modulus, high elasticity
- Neutral cure
- 100% silicone polymer
- Resistant to ozone, ultra-violet radiation and temperature extremes
- Conforms to ISO11600-F&G-25LM

Application

- Dow Corning C60 Low Modulus Silicone Sealant is a one-part sealant, which has been specifically developed for use by the sealant contractor
- It has excellent adhesion to a range of porous and non-porous substrates including PVC-U, glass, anodized and painted aluminium, metal cladding, brickwork, painted and un-painted wood

Cure Type

- Alkoxy

Working Time

- 10 Minutes

Slump

- Nil

Tack Free Time

- 30 minutes

Cure time for 2.0mm depth

- 24 hours

Application Temperature Range

- +5°C to +30°C

Joint Movement Capability

- ±50%

Method of application

- Ensure that surfaces to be sealed are clean, dry, sound and free from frost
- Clean all joints of release agents, water repellents, laitance, dust, dirt, old sealants and other contaminants, which could impair adhesion
- Non-porous surfaces should be cleaned and degreased by wiping with a suitable solvent such as DOW CORNING R40 Universal Cleaner on an oil and lint-free cloth before application of the sealant
- Porous substrates should be mechanically cleaned using a steel brush, sanding disc or any similar means

Note:

- When using any solvent, always provide adequate ventilation avoid heat, sparks and open flames
- Use solvent resistant gloves
- Observe and follow all precautions listed on solvent container label

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Masking

Areas adjacent to the joints should be masked with tape to prevent contamination of the substrates and to ensure a neat sealant line. Masking tape should be removed immediately after tooling.

Priming

No primer is required for PVC-U and for most common construction substrates. However, a test placement prior to general use is always recommended.

Clean Up

Excess sealant may be cleaned off tools and non-porous surfaces whilst in an uncured state using Dow Corning R40 Universal Cleaner.

If sealant is misapplied to porous substrates, it should be left until just cured, and then removed by peeling, cutting or other mechanical means. Care should be taken not to damage plastic or coated surfaces.

Joint Design

When designing joints using Dow Corning C60, the minimum width should be 6mm.

For joints between 6mm – 12mm wide, a seal depth of 6mm is required.

For joints above 12mm wide, a width to depth ratio of 2:1 should be used. In situations where fillet joints are needed, a minimum of 6mm sealant bite to each substrate is recommended

Back-Up Materials

Closed cell polyethylene backer rod is recommended as a back up material to provide back pressure and avoid three-sided adhesion that limits sealant movement capability. Low tack polyethylene tape should be used in joints too shallow to allow the use of backer rod

Finishing

The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

Usable Life and Storage

Dow Corning C60 Silicone Sealant should be stored in cool and dry conditions.

When stored at or below 30°(86°F) in the original unopened container, Dow Corning C60 Silicone Sealant has a usable life of 12 months from date of manufacture.

Colour Range and Packaging

Dow Corning C60 Silicone Sealant is available in white, black, brown, portland stone, brick red, grey, buff, anthrazite, translucent, mid grey and magnolia and is supplied in 380ml cartridges, packed in boxes of 20 and 6 nozzles.

Handling Precautions

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information.

Limitations

- Dow Corning C60 Silicone Sealant should not be used in structural glazing or insulating glazing applications
- Dow Corning C60 translucent is not suitable for use with laminated glass
- Do not use Dow Corning C60 Silicone Sealant on bituminous substrates, substrates based on natural rubber, chloroquine or EPDM or on building materials, which might bleed oils, plasticisers or solvents
- Do not use Dow Corning C60 Silicone Sealant in a totally confined space because the sealant requires atmospheric moisture to cure
- It is not recommended for use on submerged joints or in joints where physical abuse or abrasion are likely to occur
- Bleeding can occur on sensitive porous substrates, such as concrete, marbles, granites and other natural stones
- Additionally, certain substrates such as concrete blocks will require the use of a primer prior to application for optimum adhesion
- Dow Corning C60 Silicone Sealant is not suitable for food contact applications
- It is recommended that Dow Corning C60 Silicone Sealant is not applied to surfaces that are below 5°C (41°F) as it is impossible to guarantee a dry surface at these temperatures
- This product is neither tested nor represented as suitable for medical or pharmaceutical uses

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