

Technical Data

SILICONE HM 60

High Modulus Acetoxy Cure Sealant



Description

SILICONE HM 60 is a high modulus, acetoxy curing silicone sealant that contains a powerful anti fungal compound to prevent mould and fungal growth in areas of high humidity. Specifically designed for use in bathrooms and kitchens and other sanitary areas.



Benefits

- High viscosity formula for quick easy tooling .
- Flexible - movement accommodation of +/- 25%.
- Waterproof seal.
- Contains a powerful anti fungal compound to prevent mould growth.

Available in

310ml Cartridges in the following colours:

White
Translucent

Recommended For

Sealing around all kitchen and bathroom sanitary areas. Expansion joint and corner sealing of ceramic tiles. Sealing around sanitary fittings in domestic and municipal applications. General sealing in areas subject to high humidity levels.

Storage

Store in cool dry conditions between + 5°C and 25°C.

Shelf Life

Use within 12 months.

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Health & Safety

See MSDS for full assessment.

Specific Data

| | |
|-------------------------|------------------------------------|
| Movement Accommodation | +/-25% |
| Skimming Time | 20 Minutes at 20°C |
| Cure Time | 3-4mm per day |
| Application Temperature | +5°C to + 40°C |
| Services Temperature | -40°C to + 150°C |
| Tensile Strength | 0.6 N/mm ² (ISO8339) |
| Elongation at Break | 250% (ISO8339) |
| Tensile Modulus | 0.35 Mpas (ISO8339) |

Coverage

| Joint Size mm | 5 x 5 | 5 x 10 | 10 x 15 | 10 x 20 | 12 x 25 |
|--------------------|-------|--------|---------|---------|---------|
| Lin Mtrs per 310mm | 12.4 | 6.2 | 2.0 | 1.56 | 1.0 |

Joint Dimensions

For maximum movement accommodation, it is recommended that:

1. The sealant joint depth should be no less than 5mm
2. Joint depth should be 5mm for joints up to 10mm wide
3. Joints above 10mm in width should be half the width in depth up to 20mm and minimum 10mm for wider joints

Joint depth may be adjusted to the correct size using EVERBUILD JOINT BACKER ROD.

Movement Factors

+/- 25% Movement Accommodation.

Joint Width Calculation

Joint widths are calculated as in BS6213:

$$\text{Width} = \frac{M \times 100}{F} + M$$

Where M = movement and F = movement accommodation Factor

Specific Resistances

Mild acids / alkalis at < 10% concentration.

Bleach and anti-bacterial cleaners.

Surface Preparation

All surfaces must be clean, dry and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application. Glass, metal and aluminium should be cleaned with a proprietary solvent cleaner prior to application for optimum adhesion. Porous surfaces may require priming - a small area should be tested first.

Primer

SILICONE HM60 does not require a primer on most common surfaces, although adhesion tests are recommended prior to full scale application. If the joint is likely to be immersed or if adhesion is poor (especially on porous surfaces) use EVERBUILD SILICONE PRIMER P1. To improve adhesion (if required) to non-porous surfaces, prime with EVERBUILD SILICONE PRIMER NP2.

Limitations

- Do not use in conjunction with Bitumen or Asphalt, use Everflex Weather Mate sealant.
- Do not use in food preparation areas.
- Do not use in aquaria, use Everflex Aqua Mate sealant.
- It is the users responsibility to determine suitability for use.
- If in doubt contact technical services for advice.
- Do not use on most metals or natural stone.

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