

EVERFLEX 565 CLEAN ROOM SILICONE

| Colour | Product Code | Pack Size | Box Qty |
|--------|--------------|-----------|---------|
| White | 565WE | C3 | 25 |

Product Description

EVERFLEX 565 CLEAN ROOM SILICONE is a high modulus, FDA approved, neutral cure, alcoxy, odourless silicone sealant that adheres to a wide range of both porous and non porous surfaces without the need for priming. Conforms to the requirement of ISO11600 F25HM.

Specification Compliances

CONFORMS TO THE REQUIREMENT OF ISO 11600 F25HM.
FDA 21CFR177.2600 BY IANESCO (FRANCE)

Benefits

- FDA approved
- Mould resistant (steritouch)
- Excellent tooling and slow skinning properties for large applications.
- Excellent adhesion - adheres to most common surfaces including glass, metals, plastics and wood (painted or unpainted), upvc and polycarbonate.
- Excellent external weathering properties (over many years exposure).
- High viscosity non slump formula.

Recommended For

Food preparation areas and refrigeration

Medical and sterile areas

Hospital, pharmaceutical and laboratory clean room environments

Perimeter pointing internally and externally around pvcu /wood and powder coated

Aluminium. Sealing and as an adhesive onto pvcu, plastic trims and components. Sealing soft metals such as lead, copper and zinc. Weather sealing and joint sealing to pre-formed panels and curtain walling, glazing sealing and draught proofing. Glass to glass and glass to aluminium sealing. Parapet and roof weather sealing applications.

Suitable as an expansion joint sealant.

Bedding and sealing of insulated glass units.

Storage

Store in original unopened containers between +5oC and +30oC. Storage outside these parameters may dramatically reduce shelf life.

Shelf Life

12 months from date of manufacture.

Health & Safety

Consult MSDS for full list of hazards.

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 or BOND BREAKING TAPE in cases where there is not enough depth to use Backer Rod.

Surface Preparation

Surfaces must be clean, dry and free from dust, grease and other contaminants. Remove dust with compressed air. Degrease by using a solvent soaked pad, following by wiping with a clean cloth. Following cleaning procedure and materials are recommended:

| | |
|---|--|
| Glass | Degrease with alcohol or MEK |
| Aluminium, light alloys and stainless steel | Degrease with alcohol or MEK |
| Other Metals | Lightly abrade then degrease as above |
| Wood | Lightly abrade surface then remove dust |
| Plastics | Degrease using an agent recommended by plastics manufacturer |
| Concrete and other alkaline surfaces | Brush and remove dust |

Specific Data

| | |
|--|---|
| Movement Accommodation | ±25% |
| Skinning Time | 30-45 mins |
| Cure Time | mm/1 day approx 2 mm/3 day approx 6 mm/7 day approx 9 |
| Hardness Shore A | 20-30 |
| Shrinkage | <5% |
| Service Temperature Resistance | -50°C to + 150°C |
| Application Temperature | +5°C to + 40°C |
| Tensile Strength | 1.0Mpa |
| Specific Gravity | 1.33 - 1.37 |
| Cleaning | Uncured sealant - white spirit. Cured sealant - Everflex Silicone Eater |
| Maximum Joint Width | 50mm |
| Joint Ratio | Max Depth 50% of joint width |
| Coverage | @ 11 linear metres 6mm diameter bead |
| Elongation at Break | 500-600% |
| Tensile Modulus at 100% Elongation ISO8339 | 0.47Mpa |
| Tensile Adhesion Strength at Break | 0.5Mpa |
| Tensile Elongation at Break ISO8339 | >500% |
| Peel Adhesive Strength | 6 KN/m |
| Elastic Recovery ISO7389 | >80% |
| Life Expectancy | 25 Years + |

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

Movement Factors

Butt joints: 50% (not to exceed +/- 25% in any one direction)

Lap joints: 100% (not to exceed +/- 50% in any one direction)

565 CLEAN ROOM SILICONE 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 asphalt, neoprene and certain organic elastomers.
- Do not use in the manufacture of Aquariums.
- Do not use on substrates that bleed oil, solvents or plasticisers.
- Non overpaintable.
- Do not use to produce swimming pool joints.

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