**Description**

EVERFLEX 565 CLEANROOM SILICONE is a low modulus, FDA approved, neutral cure, low odour silicone sealant that adheres to a wide range of both porous and non-porous surfaces. 565 CLEANROOM SILICONE conforms to the requirements of ISO 11600 F25LM.

**Benefits**

- FDA approved (21CFR177.2600 tested by IANESCO France)
- Mould Resistant for up to 10 years (simulated age testing for internal use)
- Antibacterial
- Excellent tooling and slow skinning properties for industrial/large scale applications.
- Excellent adhesion properties to most surfaces including glass, metal, plastics, wood (painted/unpainted) uPVC and Polycarbonate.
- High viscosity non-slump formula.
- Excellent external weathering properties.
- Resistant to fumed hydrogen peroxide and formaldehyde.

**Specification Compliances**

565 Clean Room Silicone is independently tested and certified by an accredited microbiological laboratory to show no mould growth after more than 10 years simulated ageing. Copies of test data are available upon request.

565 Clean Room Silicone is formulated using a premium quality permanently flexible waterproof 100% Silicone Sealant.

565 Clean Room Silicone is FDA approved.
CE Marked under EN15651 for cold climate façade and highest sanitary grade.

**Available in**

C3 Cartridges in the following colours:
White.

**Storage**

Store between 5°C and 25°C in dry conditions. Exposure to higher / lower temperatures will dramatically reduce shelf life.

**Shelf Life**

Use within 12 months.

**What is SteriTouch Antibacterial Protection?**

565 Clean Room Silicone contains a powerful antibacterial compound called SteriTouch. SteriTouch is designed to reduce the growth of harmful organisms such as bacteria, mould and fungi whilst remaining safe for even the most sensitive of applications. SteriTouch gives the benefit of the highest quality antimicrobial protection which is proven to stop black mould making 565 Clean Room Silicone ideal for use in areas subject to high humidity, water contact and areas to which it is crucial that the environment is kept sterile and germ free such as hospitals, kitchens and food storage areas. SteriTouch ensures that hygiene critical areas are kept sterile, clean and free from contaminants from the moment of application and beyond ensuring both product quality and longevity.
Technical Data

565 Clean Room Silicone
Superior Anti-Bacterial, Food Safe Silicone

Health & Safety
Consult MSDS for full list of hazards.

Specific Data

<table>
<thead>
<tr>
<th>Movement Accommodation</th>
<th>+25%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skinning Time</td>
<td>30-45 mins</td>
</tr>
<tr>
<td>Cure Time</td>
<td>Mn/1 day approx. 2 Mm/3 day approx. 6 Mn/7 day approx. 9</td>
</tr>
<tr>
<td>Hardness Shore A</td>
<td>20-30</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Service Temperature Resistance</td>
<td>-50°C to +150°C</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>+5°C to + 40°C</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.33—1.37 g/cm³</td>
</tr>
<tr>
<td>Cleaning</td>
<td>Uncured Sealant—white spirit. Cured sealant—Everblox Silicone Eater</td>
</tr>
<tr>
<td>Maximum Joint Width</td>
<td>50mm</td>
</tr>
<tr>
<td>Joint Ratio</td>
<td>Max Depth 50% of joint width</td>
</tr>
<tr>
<td>Coverage</td>
<td>@ 11 Linear metres 6mm diameter bead</td>
</tr>
<tr>
<td>Tensile Modulus at 100% Elongation ISO 8339</td>
<td>0.25-0.3</td>
</tr>
<tr>
<td>Tensile Adhesion Strength at Break</td>
<td>0.5 Mpa</td>
</tr>
<tr>
<td>Tensile Elongation at Break ISO 8339</td>
<td>Excellent</td>
</tr>
<tr>
<td>Elastic Recovery ISO 7399</td>
<td>200%</td>
</tr>
</tbody>
</table>

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.

Movement Factors
Butt joints (movement in tension and compression): 25% (Not to exceed +/- 25% in any one direction)
Lap joints (movement in shear): 25% (Not to exceed +/- 25% in any one direction)

Joint Width Calculation
Joint widths are calculated as in BS6213:
Width = M x 100 + M F
Where M = movement and F = movement accommodation Factor.

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.

Primer
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
- Not for use in conjunction with bitumen or asphalt. Use Weather Mate.
- Do not use for aquarium manufacture, use Aqua Mate.
- Not for use on substrates that may bleed oils, solvent or plasticisers
- Not over paintable
- Not for use in swimming pool areas
- It is the users responsibility to determine suitability for use. If in doubt contact Everbuild Technical Services.
- Yellowing can occur whilst curing in the presence at brick acid and bleach.

Specific Resistances
Mild acids / alkaids at < 10% concentration. Resistant to bleach and household cleaners, fumed hydrogen peroxide and formaldehyde

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