Commercial 100% Silicone Sealant

1. **Product Name**
   Commercial 100% Silicone Sealant

2. **Manufacturer**
   Custom Building Products
   Technical Services
   10400 Pioneer Boulevard, Unit 3
   Santa Fe Springs, CA 90670
   Customer Support: 800-272-8786
   Technical Services: 800-282-8786
   Fax: 800-200-7765
   Email: contactus@cbpmail.net
   custombuildingproducts.com

3. **Product Description**
   Our Commercial 100% Silicone Sealant is permanently flexible and is designed for use in coves, corners, changes in plane and expansion joints associated with exterior or interiors applications of tile and stone. Can be used in pools and other wet applications. Conforms to ASTM C-920, Type S, Grade NS, Class 25, Use T, NT, A, I, M and G, ASTM C1248 and ASTM C-794 properties. Meets or exceeds TCNA EJ171 Movement Joint Guidelines for Ceramic, Glass & Stone. This product was previously named Commercial 100% Silicone Caulk.

   **Key Features**
   - Suitable for expansion joints, wet and submerged areas

   **Uses**
   - Joints for ceramic tile and stone applications
   - Expansion joints in residential and commercial applications including those in traffic areas
   - Exterior and interior use
   - Swimming pools and other wet area applications
   - Around tubs, showers and sinks

   **Composition of Product**
   100% silicone resins and fine fillers

   **Benefits of Product in the Installation**
   - For use in coves, corners, changes in plane and expansion joints
   - Exterior and interior applications of tile and stone
   - Use in pools and other wet area applications
   - Conforms to ASTM C-920, ASTM C1248 and ASTM C-794 properties

   **Limitations to the Product**
   - Joint depth should not exceed 1/2" (13 mm)
   - Joint width should not exceed 1" (2.5 cm)
   - 100% Silicone passes non-staining testing per ASTM C920 and has also passed ASTM C1248 with tested stones. Due to cleaners used on site and other unknown factors, staining may occur. Please perform test to replicate usage.

   **Packaging**
   10.1 oz (300 ml) cartridge

4. **Technical Data**

   **Applicable Standards**
   Meets the requirements of ASTM C-920, ASTM C1248 and TCNA EJ 171

   **Technical Chart**
<table>
<thead>
<tr>
<th>Test Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tack Free Time (ASTM C-679)</td>
<td>15-20 minutes</td>
</tr>
<tr>
<td>Sag / Slump (ASTM C-639)</td>
<td>&lt; 3 mm</td>
</tr>
<tr>
<td>Shore A Hardness (ASTM C-661)</td>
<td>35</td>
</tr>
<tr>
<td>Service Temperature Range</td>
<td>-60 to +300°F</td>
</tr>
<tr>
<td>Tensile Strength (ASTM D-412)</td>
<td>140 psi</td>
</tr>
<tr>
<td>Elongation (ASTM D-412)</td>
<td>350%</td>
</tr>
<tr>
<td>Joint Movement (ASTM C-719)</td>
<td>+/- 25%</td>
</tr>
</tbody>
</table>

   **Environmental Consideration**
   Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:
   - Up to 2 points towards MR Credit 5, Regional Materials
   - Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

5. **Instructions**

   **General Surface Prep**
   USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.
Application of Product

Sealant should be installed after grout has cured. Joints and surfaces should be clean, dry and free of all contamination including old caulk or other sealants. Backup strips shall be flexible and compressible type of closed-cell foam polyethylene, butyl rubber, or urethane. Backup strip should fit tightly in the joint and to a depth that allows the sealant depth to be 1/2 the thickness of the tile. Cut tip off nozzle on a slant to desired opening size. Completely fill joints with sealant. Smooth or clean off excess sealant with mineral spirits or paint thinner before sealant cures. After cure, remove excess with a razor blade. Do not apply when temperatures fall below 40°F (4°C). IMPORTANT: Commercial 100% Silicone Sealant is not a paintable surface. Painting should be done prior to installation.

Drying Time

Protect finished work from traffic and exposure to water until fully cured, generally 24 hours at 70° F (21° C). Sealant should cure a full 7 days before being exposed to continuous submersion in water.

Cleaning of equipment

Clean all tools with paint thinner or mineral spirits before material dries.

Storage

Store away from extended or extreme heat and cold. Keep from freezing. Replace cap after each use.

Health Precautions

CAUTION KEEP OUT OF REACH OF CHILDREN. Provide adequate ventilation during installation. DO NOT TAKE INTERNALLY. AVOID EYE CONTACT.

Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.
The following colors are discontinued as of March 2015: #92 Admiral Blue, #96 Quarry Red Clay, #99 Burnt Clay, #127 Antique Linen, #168 Slate Gray, #190 Bay Leaf, #301 Arctic Ice, #305 Onyx Green, #311 Moss, #312 Bonsai, #365 Canvas, #384 Camel, #390 Rose Beige

Final installed shade may vary with the tile type, color and porosity as well as jobsite conditions and finishing techniques. For best results, perform a test on a small, inconspicuous area or create a sample board prior to installation.

7 Product Warranty
Obtain the applicable LIMITED PRODUCT WARRANTY at

8 Product Maintenance
Clean with a neutral cleaner such as Aquamix AquaKleen or Tilelab Grout & Tile Cleaner

9 Technical Services Information
For technical assistance, contact Custom technical services at 800-282-8786 or visit custombuildingproducts.com.

10 Filing System
Additional product information is available from the manufacturer upon request.

Related Products
CEG-Lite™ 100% Solids Commercial Epoxy Grout
Prism® Ultimate Performance Grout
Fusion Pro® Single Component® Grout

Related Articles
TB41
# Commercial 100% Silicone Sealant

## Coverage

<table>
<thead>
<tr>
<th>Size</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1 oz. (300 mL)</td>
<td>24 lineal feet (7.3 M) of 1/4&quot; x 1/4&quot; (6 x 6 mm) joint</td>
</tr>
</tbody>
</table>

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more tile and joint sizes, use the material calculator at CustomBuildingProducts.com or contact CUSTOM Technical Services at 800-282-8786