DAP® All Purpose 100% Silicone Rubber Adhesive Sealant

**PRODUCT DESCRIPTION**

DAP® All Purpose Adhesive Silicone Sealant is a long-lasting, 100% silicone rubber sealant ideal for quick household repairs and projects. It forms a strong, 100% waterproof seal that won’t crack or shrink. It is safe for incidental food contact, as well as being dishwasher and microwave safe. It is also ideal for building or repairing small aquariums and is harmless to fresh and saltwater fish when cured. Meets ASTM C920, Class 25. Interior/exterior use.

<table>
<thead>
<tr>
<th>PACKAGING</th>
<th>COLOR</th>
<th>UPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8 fl oz (82.8 mL)</td>
<td>Clear</td>
<td>7079800755</td>
</tr>
</tbody>
</table>

**KEY FEATURES & BENEFITS**

- Meets ASTM C920, Class 25
- Forms a strong, waterproof seal
- Flexible seal won’t crack or shrink
- Safe for incidental food contact. When cured and washed, the product meets the requirements of FDA Regulation No. 21 CFR 177.2600.
- Dishwasher & microwave safe
- Aquarium safe – harmless to fresh and saltwater fish when cured

**SUGGESTED USES**

**USE FOR:**

- Repairing porcelain, china, crystal, ceramics, jewelry
- Making crafts
- Repairing dishwasher seals
- Mending campers, tents
- Building & maintenance of aquariums

3/3/2019
ADHERES TO:
• Glass
• Ceramic
• Porcelain
• Most metals*
• Most plastics
• Most rubbers
• Brick
• Wood
• Fiberglass

FOR BEST RESULTS

• Aquarium Limitations: 30 gallons or less. 18” or less water height.
• When applying to hard rubber or plastic surfaces, lightly sand or roughen surface before application to
  maximize adhesion. When bonding two surfaces together, always clamp until cured, if possible.
• Joint width should not exceed ½”. If joint depth exceeds ½”, use foam baker rod.
• Corrodes some metals. *Not recommended for use on or near brass, copper or copper alloys, zinc, iron, galvanized metals or other surfaces prone to attack by weak acids.
• Not recommended for filling butt joints, surface defects, tuck-pointing, chimneys, stovepipes or fireplace
  applications. Not recommended for structural glazing.
• Not for oily woods or cementitious surfaces. Substrates made of methylmethacrylate, polycarbonate, polypropylene, polyethylene and polytetrafluoroethylene do not allow for best adhesion and compatibility
  with sealant. Try test area before using.
• Not paintable. Paint substrate surface before applying sealant.
• Store below 80°F in dry place for optimal shelf life.

APPLICATION

Surface Preparation
Surface must be clean, dry, structurally sound and free of old caulk, dirt, dust & other foreign material.

Product Application
Remove cap & puncture inner foil seal with other side of cap. Screw on nozzle and cut at 45° angle to
desired bead size.

General Household Repairs
1. Apply thin coat of sealant to one side of broken article and hold together for five minutes.
2. If necessary, tool or smooth the bead of sealant with a finishing tool before the sealant skins over.
3. Clean up excess uncured sealant from surface and tools with mineral spirits. Scrape or cut away
  excess cured sealant. Do not use mineral spirits to clean hands or skin. Wash hands or skin with
  soap and water.
4. Allow sealant to cure for at least 12 hours before exposing to water.
5. Do not touch or clean sealant for 24 hours. Sealant reaches full cure in 24 hours. Sealant will not cure
  in totally confined spaces. When bonding two surfaces together, always clamp until cured.
6. When using sealant to form weatherstripping or other formed rubber parts, place wax paper over
  sealant to prevent sticking to mating piece until it has cured.
7. Sealant is not paintable. Paint surfaces prior to applying sealant.
8. Reseal tube for storage and reuse.

3/3/2019
Aquariums
1. Apply 1/4" bead of sealant to edge of glass. The bead must cover the thickness of glass edge.
2. Set glass to base and repeat procedure on all sides. All joints must be GLASS TO SEALANT TO GLASS with no entrapped air bubbles.
3. Apply additional sealant to inside joints.
4. Complete tooling within 5 minutes.
5. Remove excess uncured sealant with a dry paper towel.
6. Sealant reaches full cure in 24 hours. Allow sealant to cure 48 hours prior to using aquarium. Optimum strength is achieved in 7 days. Sealant will not cure in totally confined spaces.
7. When bonding two surfaces together, always clamp until cured.
8. Reseal tube for storage and reuse.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Typical Uncured Physical Properties</th>
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<tbody>
<tr>
<td>Appearance/Consistency</td>
<td>Smooth paste</td>
</tr>
<tr>
<td>Base Polymer</td>
<td>Silicone rubber</td>
</tr>
<tr>
<td>Filler</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Volatile</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Weight % Solids</td>
<td>&gt;97%</td>
</tr>
<tr>
<td>Density (lbs per gallon)</td>
<td>8.4</td>
</tr>
<tr>
<td>Odor</td>
<td>Vinegar like</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;212°F</td>
</tr>
<tr>
<td>Freeze Thaw Stability (ASTM C1183)</td>
<td>Will not freeze</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>24 months</td>
</tr>
<tr>
<td>Coverage</td>
<td>15 linear feet at 3/16” diameter bead</td>
</tr>
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<table>
<thead>
<tr>
<th>Typical Application Properties</th>
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<tbody>
<tr>
<td>Application Temperature Range</td>
<td>-35°F to 140°F</td>
</tr>
<tr>
<td>Tooling Time (Working Time)</td>
<td>5-10 minutes</td>
</tr>
<tr>
<td>Tack Free Time</td>
<td>10-25 minutes</td>
</tr>
<tr>
<td>Full Cure</td>
<td>24 hours</td>
</tr>
<tr>
<td>Return to Service Time</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Vertical Sag (ASTM D2202)</td>
<td>0.05”</td>
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| Typical Cured Performance Properties |   |

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Service Temperature Range | -40°F to 350°F continuous use, up to 400°F intermittent use after full cure
---|---
Water Ready Time | 12 hours
Paint Ready Time | Not paintable
Mildew Resistance | Cured sealant is mold & mildew resistant
Dynamic Joint Movement (ASTM C719) | +/- 25%

**CLEAN UP & STORAGE**

Remove excess uncured sealant from surfaces and tools with mineral spirits. Excess cured sealant must be cut or scraped away. Do not use mineral spirits to clean hands or skin. Wash hands or skin with soap and water. Store container in temperatures below 80°F and in a dry place.

**SAFETY**

See product label or Safety Data Sheet (SDS) for health and safety information. You can request a SDS by visiting our website at dap.com or calling 888-DAP-TIPS.

**WARRANTY**

**LIMITED WARRANTY:** If product fails to perform when used as directed within one year of purchase, call 888-DAP TIPS, with your sales receipt and product container available, for replacement product or sales price refund. DAP is not liable for incidental or consequential damages.

**COMPANY IDENTIFICATION**

Manufactured for: DAP Products Inc., 2400 Boston Street, Baltimore, Maryland 21224

Usage Information: Call 888-DAP-TIPS or visit dap.com & click on “Ask the Expert”

Order Information: 800-327-3339 or orders@dap.com

Fax Number: 410-558-1068

Also, visit the DAP website at dap.com

3/3/2019