



Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224
Phone: 410-675-2100 or 800-543-3840

Revised: 7/20/11

DAP[®] All-Purpose Adhesive Sealant

- Forms a strong waterproof seal
- Aquarium safe
- Flexible seal won't crack or shrink
- Safe for food contact
- Dishwasher & microwave safe

Packaging: 2.8 fluid ounces (82.8 mL)
Color: Clear
UPC Number: 70798 00688

Company Identification:

Manufactured for: DAP Products Inc., 2400 Boston Street, Suite 200, Baltimore, Maryland 21224
Usage Information: Call 1-888-DAP-TIPS or visit dap.com & click on "Ask the Expert".
Order Information: 800-327-3339

Product Description:

DAP[®] All-Purpose Adhesive Sealant is a one component, acetoxycure, 100% silicone rubber sealant that is ideal for the construction, customization and maintenance of small aquariums. It provides a waterproof and watertight seal. It stays flexible and won't crack or shrink. DAP[®] All-Purpose Adhesive Sealant is non-toxic to fresh and saltwater fish when cured.

Suggested Uses:

Ideal for:

- Building an aquarium with a strong, waterproof bond
- Adhering plastic plants or ceramic pieces to the bottom and sides of aquarium
- Maintenance of aquarium by sealing leaks, mending cracks, patching tubing and hoses

Adheres to:

- Glass
- Ceramic
- Fiberglass
- Porcelain
- Most metals (*see For Best Results section*)
- Most plastics and rubbers

Performance Characteristics:

- When cured and washed, the product meets the requirements of FDA Regulation No. 21 CFR 177.2600.

Surface Preparation & Application:

1. Remove old caulk from surface. Prepare a clean, dry surface which is free of loose debris, dust, dirt, soap, oil or grease.
2. Remove cap and puncture inner seal with other side of cap.
3. Screw on nozzle.
4. Cut nozzle at 45° angle to desired bead size.
5. Apply sealant to surface, pushing sealant ahead of the nozzle.
6. Apply 1/4" bead of sealant to edge of glass. The bead must cover the thickness of glass edge.
7. Set glass to base and repeat procedure on all sides. All joints must be GLASS TO SEALANT TO GLASS with no entrapped air bubbles.
8. Apply additional sealant to inside joints.
9. Complete tooling within 5 minutes.
10. Remove excess sealant with a dry paper towel. Clean up excess uncured sealant from surfaces and tools with mineral spirits. Do not use mineral spirits to clean skin. Excess cured sealant on the aquarium must be cut or scraped away. Wash hands with soap and water.
11. Sealant cures and bonds 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.
12. When applying to hard rubber or plastic surfaces, lightly sand or roughen surface before application to maximize adhesion.
13. When bonding two surfaces together, always clamp until cured, if possible.
14. Reseal tube with cap for reuse.

For Best Results:

- **Limitations: 30 gallons or less. 18" or less water height.**
- Application temperature is between -35°F and 140°F.
- Joint width should not exceed 1/2".
- Not paintable. Paint surfaces before sealing.
- Not recommended for use on oily woods, stovepipes or chimneys. Not for fireplace applications, tuck pointing, butt joints, structural glazing or repairing surface defects.
- Not recommended for use on cementitious materials or surfaces that might bleed oils, plasticizers or solvents. 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 recommended for use on brass, copper, magnesium, zinc, iron, galvanized metals or other surfaces prone to attack by weak acids.
- Do not use where abrasion and physical abuse are encountered.
- Store in temperatures below 90°F in a dry place.

Physical & Chemical Characteristics:

Polymer:	Silicone Rubber
Working Time:	5-10 Minutes
Tack Free Time:	10-20 Minutes
Dynamic Joint Movement:	±25%
Paintable:	No
Odor:	Vinegar-like
Consistency:	Smooth, Paste
Specific Gravity:	1.03 ±0.01
Solids:	97.0% ±1.0% by weight
Density:	8.6 ± 0.10 lbs./gallon
Temperature Service Range:	-40°F to 400°F (after full cure)
Temperature Application Range:	-35°F to 140°F
Freeze Thaw Stable:	Yes

Shelf Life: 18 months
Coverage: 2.8 Fl. Oz.: 15 ft. at 3/16" bead size
MSDS No: 000 00688 004

Clean Up:

Remove excess uncured sealant from surfaces and tools with mineral spirits. Do not use mineral spirit to clean skin. Wash hands with soap and water. Cured sealant must be cut or scraped away.

Safety:

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

Satisfaction Guaranteed:

If product fails to perform when used as directed within one year of purchase, return used container and sales receipt to DAP Products Inc., Technical Customer Service, 2400 Boston Street, Suite 200, Baltimore, MD 21224 for replacement product or sales price refund. DAP will not be liable for incidental or consequential damages.

An  Company