



Technical Data Sheet

DOWSIL™ Tub, Tile & Ceramic Silicone Sealant

One-part acetoxycure silicone sealant for non-porous substrates

Features & Benefits

- Cures to 100% silicone rubber
- Fast cure, high strength
- Clear, white, translucent white and almond colors meet the requirements of FDA Regulation No. 21 CFR 177.2600
- Cured sealant is mildew resistant
- Remains flexible; will not become brittle, crack, shrink or chalk
- Bond to many common kitchen and bath substrates
- Supplied in removable, reusable, resealable nozzle that saves time and sealant

Composition

- One-part, acetoxycure, RTV silicone

Applications

- As an adhesive, sealant or grout for repairing or replacing ceramic tiles
- Tub and shower enclosures
- Forming watertight seals around bathtubs, shower enclosures, sinks, vanities, countertops, lavatories, faucets, saunas, hot tubs, plumbing fixtures, drains, piping, shower doors and floor seams

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test	Unit	Result
Tooling Time ¹	minutes	5–10
Tack-free Time ¹	minutes	15–20
Complete Set-up Time, 1/8"	hours	24
Cure System		Acetoxycure
Application Temperature Range	°F(°C)	-20 to 122 (-29 to 50)
VOC Content ²	g/L	33

1. At 77°F (25°C) and 50% relative humidity.

2. Based on South Coast Air Quality Management District of California. Maximum VOC is listed both inclusive and exclusive of water and exempt compounds.

Typical Properties (Cont.)

Test	Unit	Result
As Cured – after 7 days		
Durometer Hardness Shore A	points	27
Tensile Strength	psi	325
Elongation	percent	600
Temperature Range (Continuous)	°F(°C)	-40 to 350 (-40 to 176)
Movement Capability	percent	±25

Description

DOWSIL™ Tub, Tile & Ceramic Silicone Sealant is a one-part acetoxycure silicone sealant for non-porous surface applications requiring a sealant that is mildew-resistant when cured. DOWSIL™ Tub, Tile & Ceramic Silicone Sealant meets the requirements of:

- FDA Regulation No. 21 CFR 177.2600 (standard colors only; custom colors do not comply)

How to Use

1. Refer to product packaging for use-by date.
2. Temperature. Apply sealant at temperatures between -20 and 122°F (-29 and 50°C) for best results.
3. Prepare surface. Cut out and remove all old caulk for repair applications.
4. **Clean, Two-Step.** First, apply solvent to a lint-free cloth and vigorously wipe bonding surfaces to remove dirt and residues. Next, use a dry wipe to remove remaining solvent and residue for optimum cleaning. Repeat if necessary. Surfaces must be clean, dry, oil-and frost-free for best results. (Recommended solvents include isopropyl alcohol, toluene, xylene, naphtha or similar solvent.) Always wear gloves and follow safety precautions and directions on solvent container. DO NOT USE gasoline or kerosene.
5. **Install.** Install back-up spacing material for better filling, especially if width exceeds 1/2" to maximize bonding results. Open-cell polyethylene foam backer rod can be used.
6. **Mask.** Apply masking tape to areas adjacent to the joint to ensure straight bead lines and easy cleanup. Remove masking tape immediately after the bead is completed and before a skin forms.
7. **Open cartridge.** Cut snub nose above threads, reattach and cut nozzle to desired size. Insert into a caulking gun.
8. **Apply.** Extrude sealant with a smooth, steady motion, and ensure complete fill of joint cavity before proceeding.
9. **Tool.** Tool the sealant immediately after application and before a skin forms. Remove masking immediately after tooling.
10. Replace cartridge cap. See "Usable Life and Storage" instructions.

How to Use (Cont.)

Cleanup Instructions

1. Cleanup should start immediately after sealant has been applied/tooled and masking tape removed.
2. While wearing solvent-resistant gloves, wipe off excess sealant from surfaces and tools with a solvent moistened cloth within 10 minutes of application.
3. If excess sealant is completely cured, carefully cut or scrape away.
4. Avoid contact of uncured sealant with skin and clothing. If contact does occur, wipe with clean rags and wash with water.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

Store below 90°F (32°C) in a dry place. DOWSIL™ Tub, Tile & Ceramic Silicone Sealant has a usable life of 30 months from date of manufacture. Refer to product packaging for use-by date.

To store short term, replace cap. To store long term, unscrew nozzle, screw cap in cartridge and store nozzle in cap.

Packaging Information

DOWSIL™ Tub, Tile & Ceramic Silicone Sealant is supplied in a 10.3 fl oz (305 mL) cartridge with a 3 piece reusable, removable and resealable nozzle.

Limitations

- Not for structural glazing
- Not paintable
- Not suited for prolonged submersion in water or below-grade applications. Not for aquarium use; product contains a fungicide
- May not adhere to oily woods or be compatible with substrates made of methylmethacrylate, polycarbonate, polypropylene, polyethylene, and polytetrafluoroethylene
- Not suitable for surfaces that might bleed oils, plasticizers or solvents, or porous surfaces such as cement-like materials, stone or surfaces prone to attack by weak acids
- May not cure properly if used in spaces confined from atmospheric moisture
- May cause corrosion on some brass, copper, zinc or zinc alloy-containing fixtures
- Not for use where abrasion and physical abuse are encountered
- This product is neither tested nor represented as suitable for medical or pharmaceutical uses

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Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, consumer.dow.com or consult your local Dow representative.

consumer.dow.com

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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