

Premium – 100% Silicone Sealant for Tile and Stone

UZIN 100% Silicone Sealant

1-Part 100% Silicone Sealant

DESCRIPTION:

UZIN 100% Silicone Sealant is a smooth, ready to use sealant for interior and exterior applications. When cured, it is highly flexible and resistant to water, mold, mildew and cracking.

SUITABLE FOR:

- ▶ All types of tile and stone in interior and exterior conditions
- ▶ Use as a highly flexible filler to prevent cracking in tile and joints due to movement
- ▶ Use as a movement joint within tile and stone
- ▶ Joint widths up to 1/2" (12.5 mm)
- ▶ Caulking around sinks, tubs, showers, bath fixtures, countertops, baseboards, windows, glass blocks, glass tile, and door frames
- ▶ Use where tile meets dissimilar surfaces as well as vinyl, wood and laminate floorcoverings in adjacent areas
- ▶ Filling cracked or worn grout joints
- ▶ Where right angle corners and changes in plane meet
- ▶ Radiant heated substrates
- ▶ High temperature swings from extreme cold to extreme heat
- ▶ Contact with concrete, laminate, natural stone, FRP, masonry, melamine, metal, vinyl, wood, engineered wood, LVT/LVP, PVC, aluminum, glass, stucco
- ▶ Meeting the following specifications for tile work: ASTM C920-18, Type S (Single Component), Grade NS (Non-Sag), Class 25, Use M&G (Mortar & Glass), Use T (Pedestrian and Vehicle Traffic)



FEATURES AND BENEFITS:

- ▶ Smooth texture formula - easy to tool & form; easy to maintain
- ▶ 100% silicone based formula - stays soft & pliable over time
- ▶ 34 colors available - matched to UZIN grouts
- ▶ Highly flexible - resists cracking caused by expansion
- ▶ Anti-microbial - mold & mildew resistant
- ▶ LEED v4 contributing product EQc4, low-emitting materials - low odor & emissions
- ▶ VOC, 29.9 g/l - meets SCAQMD rule 1168

TECHNICAL DATA:

Packaging	10.3 oz. (305ml) cartridge tube
Pack size	6 tubes per case
Storage	Minimum 12 months
Coverage	80 lin. feet at 1/8" x 1/8" per cartridge 40 lin. feet at 1/8" x 1/4" per cartridge 20 lin. feet at 1/4" x 1/4" per cartridge
VOC	< 5 g/L
Application temperature	50° – 100°F (10° – 40°C)
Setting time / cure time	24-48 hours (initial cure time)
Final strength	14 days (full cure)



LEED®
contributing
product

PRODUCT PROPERTIES:

100% RTV Silicone with color pigments.

SUBSTRATE PREPARATION:

Surfaces must be structurally sound, stable, clean, dry and free from foreign substances that could impair adhesion and bonding. Tile and stone should be firmly set before caulking. This is typically the setting material's recommended set time before grouting. Vacuum out joints and wipe clean.

APPLICATION:

1. Read the Safety Data Sheet available at us.uzin.com and take appropriate safety measures before starting. The use of eye and hand protection are recommended.
2. Clean all joint surfaces and acclimate to the current application location to reduce separation, shrinkage and/or expansion.
3. Tape off each side of joint to create a straight edge.
4. Place backer rod material in all [expansion joints](#).
5. Place cartridge into caulking gun then cut nozzle to desired joint size.
6. Apply UZIN Silicone Sealant in a smooth continuous bead while forcing the sealant into the joint.
7. Within 5 minutes of application, tool the bead with soapy water for proper finish. Remove tape as soon as tooling is complete.
8. Remove excess material from tile or adjoining surfaces. The use of a sharp edge tool or commercial solvent can be helpful for removing cured sealant.

NOTE: Dries to the touch in 1 hour; achieves initial cure and bonding in 24–48 hours; achieves full cure in 14 days. Allow 7 days cure time before exposing to submerged applications.

IMPORTANT NOTES:

- ▶ Expect a color difference between sealant and grouts. This is normal and exact match is difficult to achieve.
- ▶ Masking joints before application can be helpful to create a consistent termination line.
- ▶ For joints deeper than 1/2" (12.5 mm), the use of a closed-cell backer rod is recommended to limit sealant depth.
- ▶ Cooler job site temperatures will extend the drying times listed.
- ▶ Porous surfaces such as walls, stone or unsealed wood may stain from contact with sealant. Masking and/or pre-sealing may be helpful protection. If in doubt, a test area is recommended.
- ▶ For complete information regarding expansion and control joints see TCNA Detail EJ171 (USA) or TTMAC Detail 301MJ (Canada).
- ▶ For additional technical assistance, please contact the UZIN Technical Service Department at 1-866-505-4810.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Read and follow all safety and environmental precautions and instructions on the packaging label and the Safety Data Sheet (SDS). The SDS is available at www.uzin.us.

WARNING: This product can expose you to chemicals including titanium dioxide and carbon black which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

DISPOSAL:

For disposal and recycling, follow the applicable laws and regulations. When possible, avoid or minimize waste generation. Do not allow the material to get into sewers, waterways or unlined ground surfaces. Empty packaging can be recycled.

INDOOR AIR QUALITY INFORMATION

LEED: SCS Indoor Advantage™ Gold

VOC content: < 5 g/L, Compliant with SCAQMD 1113

VOC emission: Conforms to the CDPH Standard Method (CA 01350) V1.2-2017; 5.0 mg/m³ or less TVOC emission.