

TRUSIL NC50

NEUTRAL CURE SILICONE SEALANT, 50% JOINT MOVEMENT

PRODUCT NAME

TruSil NC50 - Neutral Cure Silicone Sealant, 50% Joint Movement

MANUFACTURER

Everkem Diversified Products
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PRODUCT DESCRIPTION

TruSil NC50 is a one component high performance neutral cure silicone sealant designed for sealing and bonding demanding construction applications. This low-modulus formula provides exceptional flexibility and long-term weather resistance, even under extreme conditions. TruSil NC50 delivers unprimed adhesion to wide variety of building materials, including masonry, concrete, painted substrates, glass, PVC, stucco, window wrap, fiber cement, and porcelain. Smooth and easy to tool, TruSil NC50 ensures professional results and lasting performance in both new construction and restoration projects.

APPLICATIONS

- Expansion and control joints
- Precast concrete panel joints
- EIFS (Exterior Insulation and Finish Systems) joints
- Curtainwall and mullion joints
- Sanitary seals
- Roofing and transportation

ADVANTAGES

- Mildew resistant
- Low-modulus for superior joint movement capability
- Excellent performance in joints experiencing extreme movement (50%)
- Excellent unprimed adhesion to masonry and concrete surfaces
- Excellent weatherability and resistance to UV, rain, snow, and temperature extremes
- Long-term flexibility and watertight seal durability

LIMITATIONS

- Structural applications
- Below grade or on materials that outgas, which may cause bubbling
- Brass, copper, or similar metals that may corrode
- Surfaces continuously immersed in water
- Interior penetration firestop sealing system
- Materials that bleed oils, plasticizers, or solvents
- In totally confined spaces as sealant requires atmospheric moisture to cure
- Surfaces that will be painted after application as paint will not adhere or flex with movement
- Wet or frost-laden surfaces
- On solvents or primers that have not fully dried before application
- Applications involving direct or indirect contact with food

AVAILABLE COLORS

TruSil NC50 is available in Clear. Additional colors may be available upon request.

TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES

Typical Uncured Properties

Chemistry:	Low-modulus neutral cure silicone
Uncured State:	Glossy Paste
Odor:	Minimal odor
Application Temperature:	-25°F to 120°F (-31.7°C to 48.9°C)
Tooling Time:	10 to 20 minutes
Full Cure Time:	7 to 14 days
Shelf Life:	1 year

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TECHNICAL DATA [CONT]

TYPICAL PHYSICAL PROPERTIES

Typical Cured Properties

Curing conditions of 77°F (25°C) and 50% relative humidity

Cured State:	Rubbery solid
ASTM-C920:	Meets ASTM-C920 "Standard Specification for Elastomeric Sealants"
ASTM-D2202	Flow, Sag, or Slump: None
ASTM-C661	Durometer Hardness, Shore A: 17 points
ASTM-C179	Joint Movement Capabilities: 50% movement
ASTM-C1248	Staining, Various Substrates: None
Service Temperature:	-55°F to 400°F (12.78°C to 204.4°F)
Paintability:	Non-paintable
V.O.C. Content:	23 g/L

APPLICABLE STANDARDS & SPECIFICATIONS

APPLICABLE STANDARDS/SPECIFICATIONS

- ASTM Specification C 920, Type S, Grade NS, Class 50, Use NT, M, G, A, and O
- Federal Specs: TT-S-01543A, TT-S-00230C

ECOSEAL STANDARDS

- V.O.C. Content: 23 g/L

INSTALLATION

SURFACE PREPARATION

Paint does not adhere well to silicone. Complete painting prior to silicone application. Clean debris and dry desired area. Surfaces should be clean of any debris or material that may prevent or deter adhesion. Such debris includes, but is not limited to: dirt, frost, loose particles, existing sealants, grease, oils, rust, etc.

APPLICATION

- Remove tip and nozzle. Cut off tip the of the cartridge and replace the nozzle. Screw nozzle on end and cut tip to desired bead size. Insert cartridge into standard caulk gun.
- Hold at a 45° angle and apply by pushing sealant ahead of the nozzle to achieve a smooth seal. Apply using a steady, even pressure to completely bridge joints.
- Complete tooling within 5 minutes. Use a dry paper towel to remove access material. Smooth caulk using a wet finger or a damp cloth for a clean, neat appearance.
- Sealant normally "skins over" in 10 minutes, dries to touch in 1 hour, and cures and bonds in 24 hours. Allow 7 to 14 days cure time to reach maximum strength.

CLEANUP

Excess caulk should be cleaned from tools and nonporous surfaces while still uncured. On porous surfaces, product should be allowed to progress through the initial set-up, at which time removal is possible via abrasion or other mechanical means.

AVAILABILITY

TruSil NC50 and other Everkem products are available from stocking distributors nationwide or direct from the manufacturer. For the name and telephone number of the nearest Everkem representative, call the number below or visit www.everkemproducts.com

PACKAGING OPTIONS

PACKAGING OPTIONS

Part #	Description	Packaging	Color
TS-NC50	TruSil NC50 - 10.1 Fl. Oz. (298.69mL) Tube	12 tubes/case	Clear

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MAINTENANCE

Inspect sealant at a minimum of every five years. If sealant or bond of sealant is damaged, completely remove or cut away sealant in the damaged area, clean surface, and reapply sealant.

TECHNICAL SERVICES

Everkem representatives are available to assist you in selecting the sealant or adhesive appropriate for your application. For further assistance contact your local Everkem Diversified Products representative, call our corporate office at 1-800-638-3160, or contact us via our website at www.everkemproducts.com

WARRANTY

Everkem Diversified Products warrants this product's performance provided it is properly stored and applied within 1 year. If when applied as directed this material proves to be defective, return the remaining product and proof of purchase for refund or replacement of product exclusive of labor or cost of labor. This is the sole and exclusive remedy for defects of product failure. The determination of eligibility for this warranty shall be made at the sole discretion of Everkem Diversified Products and any decision made shall be final. This warranty is in lieu of any other warranties, expressed or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose, and in no instance will Everkem Diversified Products be liable for damages in excess of the purchase price, except where such exclusion or limitation is prohibited by state law. Users must read and follow the directions of the current Technical Data Guide and SDS prior to product use. The user determines the suitability of the product intended for use and assumes all risks. Recommendations for the use of this product are based on tests we believe to be reliable. The manufacturer and seller are not responsible for results where the product is used under conditions not in strict accordance with our published recommendations and in applications considered suitable for this product. Everkem Diversified Products shall not be responsible for the use of this product in a manner to infringe upon any patent or any other intellectual property rights held by others.

CAUTIONS



WARNING: CAUSES SERIOUS EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. Wear protective gloves. Wear eye or face protection.

Use only outdoors or in a well ventilated area. Avoid breathing dust. Wash hands thoroughly after handling. **IF INHALED:** Remove person to fresh air. **IF ON SKIN:** Wash with soap and water. Remove contaminated clothing, washing before reuse. If skin irritation occurs: Get medical attention. **IF IN EYES:** Rinse cautiously with water. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. **IF INGESTED:** Wash mouth with water. Remove victim to fresh air. Give small quantities of water to drink. Do not induce vomiting. Store locked up. Dispose of contents in accordance with all local, regional, national, and international regulations.



WARNING: This product can expose you to chemicals including Silicon dioxide, which is known to the State of California to cause cancer, and Hexane, Methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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