



Fire Protection Products

3M™ Fire Barrier Water Tight Sealants 1000 NS & 1003 SL



Technical Data Sheet

February / 2026

Product Description

3M™ Fire Barrier Water Tight Sealants 1000 NS & 1003 SL are ready-to-use, single component, neutral cure, silicone sealants that cure upon exposure to atmospheric humidity to form a flexible firestop seal. 3M™ Fire Barrier Water Tight Sealants help control the spread of fire, smoke and noxious gasses before, during and after exposure to a fire when installed in accordance with a listed through penetration or fire-resistive joint assembly.

3M™ Fire Barrier Water Tight Sealant 1000 NS is a non-slump firestop used primarily on vertical surfaces while 3M™ Fire Barrier Water Tight Sealant 1003 SL is a self-leveling firestop ideal for floor applications. 3M™ Fire Barrier Water Tight Sealants meets UL Water Leakage Test, W Rating — Class 1 requirements for systems tested and listed in accordance with ANSI/UL 1479. 3M™ Fire Barrier Water Tight Sealants are elastomeric with exhibit excellent weatherability.

Product Features

- Firestop tested for up to 3 hours in accordance with ASTM E814 (UL 1479) and CAN/ULC-S115
- Fire Resistive Joint System tested up to 4 hours in accordance with ASTM E1966 (UL 2079)
- Meets UL Water Leakage Test, W Rating — Class 1 requirements
- Compression/extension capability of $\pm 31\%$
- Helps minimize noise sound transfer – STC rating of 56 when tested in STC 56-rated wall assembly
- Excellent weatherability upon cure
- Re-enterable/repairable
- Excellent adhesion
- Paintable with primer
- Excellent caulk rate — applied with conventional caulking equipment
- Halogen-free, low VOC — *Complies with the intent of LEED® NC-EQ Credit 4.1 for Low-Emitting Materials: Adhesives and Sealants, contains <250 g/L VOC contents (less H2O and exempt solvents per SCAQMD Rule 1168)*

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Applications

3M™ Fire Barrier Water Tight Sealants 1000 NS & 1003 SL are used to firestop blank openings, dynamic and static construction joints and the following penetrating items that pass through fire-rated floor or wall assemblies: metallic pipes, non-metallic pipes, cables, cable tray, insulated pipes, combos and other miscellaneous mechanical penetrations. For vertical firestop applications use 3M™ Fire Barrier Water Tight Sealant 1000 NS (non-slump) and for horizontal applications use 3M™ Fire Barrier Water Tight Sealant 1003 SL (self-leveling).

Specifications

3M™ Fire Barrier Water Tight Sealants 1000 NS & 1003 SL are ready-to-use, single component, neutral cure self-leveling silicone sealants. The sealant shall be listed by independent test agencies such as UL, ULC, Intertek or FM. 3M™ Fire Barrier Water Tight Sealants shall be tested to and pass the criteria of ASTM E 814 (UL 1479) Standard Test Method for Fire Tests of Penetration Firestop Systems, ASTM E 1966 (UL 2079) Standard Test Method for Fire Resistive Joint Systems, CAN/ULC-S115 Standard Method of Fire Tests of Firestop Systems. These sealants shall meet UL W-Rating Class 1 requirements for watertightness. 3M™ Fire Barrier Water Tight Sealants shall meet the requirements of NEC (NFPA 70), IBC, IFC, IRC, NBCC, NFPA 101 and NFPA 5000.

For technical support relating to 3M™ Fire Protection Products and Systems, call: 1-800-328-1687.

For more information on 3M™ Fire Protection Products, visit: www.3M.com/firestop

Performance and Typical Physical Properties

Color	Light Gray
Surface Burning Characteristics (ASTM E84 Mod)	Flame Spread: 0 Smoke Developed Index: 0
Hardness (ASTM C661 Shore A)	10-15
STC Rating (ASTM E 90 and ASTM E 413)	56 in a 56 rated wall
Tensile Strength	85 psi (0.59 MPa)
VOC Less H ₂ O and Exempt Solvents*	<250g/L
Elongation at Break (ASTM D412)	600%
Service Temperature	-60°F to 300°F (-51°C to 149°C)

Cure: Under typical cure rate conditions of 77°F (25°C) and 50% R.H., sealant becomes tack-free in about ten minutes, dry-to-touch in 30 to 60 minutes and obtains full-cure adhesion in 14–21 days. Full cure depends upon ambient conditions and volume of sealant. The typical cure rate is approximately 1/8 inch (3mm) per day.

Unit Volume: 10.1 fl. oz. tube (300mL), 20 fl. oz. sausage (591 mL), 4.5-gallon pail (17 L)

**Meets the intent of LEED® VOC environmental quality requirements*

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Installation Techniques

Consult a 3M Authorized Fire Protection Products Distributor or Sales Representative for applicable UL, ULC, Intertek or other third-party drawings and system details.

Preparatory Work: The surface of the opening and any penetrating items should be clean and free of dirt and debris to allow for the proper adhesion of 3M™ Fire Barrier Water Tight Sealant. Do not use alcohol to clean surfaces in penetration or joint opening, instead use a commercial solvent such as mineral spirits, xylene, toluene or methyl ethyl ketone (MEK). Ensure that the surface of the substrates is not wet and are frost free. Sealant can be installed with a standard caulking gun, pneumatic pumping equipment or it can be easily applied with a putty knife or trowel.

Installation Details: Install the applicable depth of backing material, if required, as detailed within the applicable UL, cUL, ULC, Intertek or other third-party listed system. Cut the end of the 3M™ Fire Barrier Water Tight Sealant tube spout to achieve the desired bead width. Install the applicable depth of 3M™ Fire Barrier Water Tight Sealant into the opening flush with the surface of the substrate, or as detailed within the applicable listed system, at the required depth for the assembly and rating that is specified. Tool within 5 minutes. Clean all tools immediately after using a commercial solvent such as mineral spirits, xylene, toluene or methyl ethyl ketone (MEK).

Limitations: Do not apply 3M™ Fire Barrier Water Tight Sealants 1000 NS & 1003 SL on wet or frost-coated surfaces (Note: once applied, sealant may be exposed to intermittent water — exhibits excellent weatherability when fully cured), in unvented spaces where sealant is not exposed to atmospheric moisture, in areas where abrasion or physical abuse of the sealant are likely and/or where painting of sealant is required. Do not apply 3M™ Fire Barrier Water Tight Sealants to polycarbonates or to building materials that bleed oil, plasticizers or solvent (e.g. impregnated wood, oil-based sealants, or green or partially vulcanized rubber).

Note: In confined cure conditions there may be discoloration of brass, copper or other sensitive metals

NOTICE: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, the customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for the customer's application, including chemical compatibility with CPVC piping. Before applying any 3M Fire Protection Products or to a system which consists of CPVC pipes or materials, please check the CPVC manufacturers' compatibility list.

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Maintenance	<p>No maintenance should be required when installed in accordance with the applicable UL, Intertek, FM or other third- party listed system. Once installed, if any section of the 3M™ Fire Barrier Sealant is damaged, the following procedure will apply: remove and reinstall the damaged section in accordance with the applicable listed system, with a minimum 1/2 in. (12.7mm) overlap onto the adjacent material.</p>
Storage and Shelf Life	<p>Product packaged in cartridge or pail is enclosed in HDPE plastic containers, sausage is packaged in aluminum foil wrap.</p> <p>3M™ Fire Barrier Water Tight Sealant 1000 NS & 1003 SL should be stored indoors in dry conditions between 40°F and 90°F (4°C and 32°C). Avoid repeated freeze / thaw exposures of the 3M™ Fire Barrier Water Tight Sealants while still in the packaging.</p> <p>3M™ Fire Barrier Fire Barrier Water Tight Sealant 1000 NS & 1003 SL shelf lives are 18 months in original unopened containers from date of packaging when stored above 68°F (20°C).</p> <p>Lot numbering: This product has lot code number of the form YYYYMMDDXX where: YYYY is the year MM is the month DD is the day XX is the batch (batch one is 01) For example, 2024110705 is the fifth batch made on November 7, 2024.</p>
Availability	<p>Available from 3M Authorized Fire Protection Products Distributors. For additional technical and purchasing information, call 1-800-328-1687 or visit 3M.com/firestop.</p>
Safe Handling	<p>Consult Safety Data Sheet prior to handling and disposing of 3M™ Fire Barrier Water Tight Sealants.</p>
Technical Information	<p>The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.</p>
Warranty, Limited Remedy and Disclaimer	<p>Warranty: 3M warrants that the Product will be free from defects in material and manufacture during the Extended Warranty Period. If the Product does not conform to this warranty during the Extended Warranty Period, then 3M will, as the sole and exclusive remedy, provide replacement Product (or, if replacement material is unavailable, refund the Product purchase price) for the Project. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE.</p> <p>This warranty is void if the Product is not installed: (1) in accordance with the applicable UL or Intertek listings; (2) in accordance with the applicable Product data sheet and installation instructions; (3) in accordance with the specifications for the Project; and (4) by a 3M trained Installer. This warranty does not cover damage or failure caused by Product misuse, improper Product storage, improper Product installation, Product or Project abuse, natural disasters, or other force majeure events.</p>
Limitation of Liability	<p>EXCEPT FOR THE LIMITED EXTENDED WARRANTY AND REMEDY STATED ABOVE, AND EXCEPT TO THE EXTENT PROHIBITED BY LAW, 3M WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM OR RELATING TO THE PRODUCT, WHETHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL, (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS OR BUSINESS OPPORTUNITY), REGARDLESS OF THE LEGAL OR EQUITABLE THEORY ASSERTED, INCLUDING, BUT NOT LIMITED TO, WARRANTY, CONTRACT, NEGLIGENCE, OR STRICT LIABILITY.</p>

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Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the 3M product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.



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