

Sil-Span™

Preformed Silicone Profiles

Specification Data Sheet



1. BASIC USES

- For the repair of construction joints and/or glazing details by “bridging over” existing sealants and/or gaskets.
- For new construction applications where conventional sealants and weather-sealing techniques are not adequate.

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Pecora Sil-Span™ profiles are composed of high-molecular weight, low-modulus silicone, extruded via a unique process. These profiles generally are extruded in standard colors and a smooth texture, but can also be custom colored and textured to match almost any common substrate, in particular those employed in EIFS systems.

Sil-Span™ Product Features:

- extreme movement capability of 200% extension and 50% compression along with high tear resistance
- continuous movement without affecting performance
- absorption of excessive joint movement in shear, including seismic joints
- splicing and attachments of corners seams and changing planes using 864NST Silicone Sealant as the adhesive
- excellent weatherability and resistance to UV, inherent in all high quality silicones
- non-staining, non-bleeding, minimal dirt pickup
- temperature performances range of -60° to +300°F (-51°C to 149°C)
- tapered edge to create a smooth appearance

System Limitations: Sil-Span™ should not be used in/under the following installations/conditions:

- horizontal decks, patios, driveway or terrace joints where abrasion or physical abuse is encountered
- submerged joints or below-the-water line in marine applications
- surfaces with special protective or decorative coatings without prior consultation with Technical Services
- building materials that bleed oils, plasticizers or solvents, i.e. impregnated wood, oil-based caulks, some vulcanized rubber gaskets or tapes

Sizes: Standard Widths:

- 1” (25.4 mm)
- 1.5” (38.1 mm)
- 2” (50.8 mm)
- 3” (76.2 mm)
- 4” (101.6 mm)
- 5” (127.0 mm)
- 6” (152.4 mm)

Special Order: Any size not listed above, between 1” (25.4 mm) and 12” (305 mm).

Thickness: 0.08” (2.0 mm) for all widths.

Finishes/Textures: Standard Sil-Span™ profiles have a Smooth Finish. Matte and Coarse Textures are available in special order.

4. TECHNICAL DATA

Applicable Standards: Sil-Span™ profiles were independently tested in accordance with procedures in ASTM C719 and withstood 200% extension, 50% compression

without bond loss in masonry-to-masonry, aluminum-to-glass and EIFS-to-EIFS configurations. Sil-Span conforms to ASTM C1523. 864NST Silicone conforms to ASTM C920, Class 50, and TT-S-1543A.

5. INSTALLATION

Surface Preparation: Surfaces must be dry and clean and free of any type of contamination which could impair adhesion of the 864NST adhesive/sealant. Porous substrates should be cleaned by grinding, blasting, mechanical abrading or a combination of these methods, then wiped with isopropyl alcohol. Metal, glass and plastic surfaces should be cleaned with isopropyl alcohol or by mechanical means followed by the solvent wipe. Soap or detergent and water cleaning treatments are not recommended. Cleaning of surfaces should be done on the same day on which the sealant is applied.

PACKAGING

- 100’ (30 m) per carton
- **864NST Silicone**
- 10.1 fl. oz (300 ml) cartridges
- 2-gallon (7.57 L) pails

COLOR

- Tru-White, Precast, Aluminum Stone, Limestone, Bronze, Black
- **864NST Silicone**
- Tru-White, Precast, Beige, Limestone, Aluminum Stone, Classic Bronze, Black, Hartford Green

Custom color extrusions and special factory applied colors are available.

TYPICAL PHYSICAL PROPERTIES

Test Property	Value	Test Procedure
Compression Set (%)	0	ASTM D 395
Dynamic (cyclic) Movement Capability (%)	+200/-50	ASTM C1523
Elongation (%)	400	ASTM D412
Hardness (Shore A)	25	ASTM C661
Recovery (%)	100	ASTM D736
Staining/Color Change	None	ASTM C510
Tear Strength (ppi)	20	ASTM D624
Service Temperature (°F)	-60 to +300	ASTM D736
Tensile Strength (psi)	295	ASTM D412

Caution: Solvents may be toxic and/or flammable. Refer to solvent manufacturer's instructions or Safety Data Sheets.

Priming: The 864NST bonding adhesive/sealant does not require priming on most common substrates. However, we strongly recommend adhesion pretesting, either in the field or in our laboratory, on all porous substrates or other unusual building materials and substrates where special coatings or surface treatments may impair adhesion.

Where priming is indicated, Pecora P-150 should be used on porous substrates including EIFS finishes and Pecora P-120 on special metal and plastic surfaces. All precast substrates require priming with P-225 primer.

Note: Because the unique extrusion process does not put the Sil-Span™ profiles through a salt water bath, it is not necessary to clean them with an alcohol wipe before installation.

Application: Proper application is essential not only to insure a leak-free joint but also to maintain or enhance the appearance of the structure.

- Use a straight edge to mark the width of the Sil-Span™ to be applied.
- Clean area with isopropyl alcohol and prime.
- Apply 864NST Silicone adhesive/sealant to both sides of the joint. For profiles 2" (50 mm) or less, the bead of 864NST when applied should spread to a width of approximately 3/8" (9 mm) while for profiles larger than 2" (50 mm) the bead of 864NST when applied should spread to a width of 1/2 inch (12 mm).

Adhesive/sealant coverage may vary depending on the porosity or texture of the substrate.

864NST Silicone Adhesive/Sealant Coverage			
Sil-Span	864NST Bead	Tooled	Feet / 10.1 oz.
Profile Width	Diameter	Width	Cartridge
< 2 inches	.25	3/8 inch	16
> 2 inches	.30	1/2 inch	12

- Cover the joints by bedding the Sil-Span™ profiles into the adhesive/sealant.
- Firmly press the profiles onto the substrate using a Pecora-recommended roller to ensure complete contact between the adhesive/sealant and substrate and adhesive/sealant and Sil-Span™ profiles.
- Remove excess sealant, trim ends, and terminate with a cap bead of 864NST.

Precautions: Sil-Span™ is safe for use as directed. When using 864NST with Sil-Span™, ensure adequate ventilation or wear appropriate NIOSH-approved respirator. Contact with uncured sealant or with vapors generated during curing may cause respiratory tract irritation. Contact with skin or eyes may cause irritation or allergic reaction. Avoid contact and wash thoroughly after handling. May be harmful if swallowed. Refer to Safety Data Sheet (SDS) for more information.

FOR PROFESSIONAL USE ONLY KEEP OUT OF THE REACH OF CHILDREN

6. AVAILABILITY AND COST

Pecora products are available from stocking distributors nationwide. For the name and telephone number of your nearest representative, call the number below or visit our website at www.pecora.com.

7. WARRANTY

Pecora Corporation warrants its products to be free of defects. Under this warranty, we will provide, at no charge, replacement materials for, or refund the purchase price of, any product proven to be defective when used in strict accordance with our published recommendations and in applications considered by us as suitable for this product. The determination of eligibility for this warranty, or the choice of remedy available under this warranty, shall be made in our sole discretion and any decisions made by Pecora Corporation shall be final. This warranty is in lieu of any and all other warranties, expressed or implied, including but not limited to a warranty of

merchantability or fitness for a particular purpose and in no case will Pecora be liable for damages other than those expressly stated in this warranty, including but not limited to incidental or consequential damages.

8. MAINTENANCE

Regular maintenance is not necessary. If a Sil-Span profile is damaged, cut out the affected area and replace with a new profile in accordance with instructions under installation, overlapping the ends of the new section to ensure proper adhesion and joint tightness.

9. TECHNICAL SERVICES

Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further assistance call our Technical Service Department at 800-523-6688.

10. FILING SYSTEMS

- <http://www.4specs.com>
- Preformed Joint Seals
- Joint Sealants

