Pecora 890FTS
Pecora 890FTS-TXTR

Field Tintable, Non-Staining Silicone Sealant - Smooth and Textured Formulas

PECORA CORPORATION

SPECIFICATION DATA SHEET

BASIC USES

- For sealing expansion and coltrol joints in precast concrete panels, architectural and natural stone, masonry, steel, metal curtain walls, sealing of door and window perimeters, Exterior Insulation Finish systems (EIFS), fluoropolymer and powder coated aluminum, wood, vinyl and many plastics, generally without need for a primer.
- Where the vesatility of field tinting through the use of our universal color packs as well as the option of smooth or a textured, grout-like formula is needed.
- New or remedial construction.

MANUFACTURER

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PRODUCT DESCRIPTION

Pecora 890FTS and 890FTS-TXTR are a one part, neutral curing, ultra low modulus silicone sealants that react with atmospheric moisture to form a durable, flexible building sealant. 890FTS and 890FTS-TXTR will not stain natural stone such as marble and granite and will not contribute to residue run down on non-porous surfaces such as metal and glass curtain wall facades. 890FTS and 890FTS-TXTR both perform exceptionally well under dynamic conditions with 890FTS accommodating long-term movement of +100/-50% and 890FTS-TXTR accommodating long-term movement of +50/-50% in properly designed joints. Harsh weather conditions and extreme temperatures have very little effect on the performance of 890FTS and 890FTS-TXTR even after years of exposure. They are also particularly well suited for use in Exterior Insulation Finish Systems (EIFS) because of their proven strong adhesion to all base and top coats and because the ultra-low modulus formulation places minimal stress on the bond line.

Low-VOC Option: Pecora 890FTS and 890FTS-TXTR are available in low-VOC formulations that offer the same performance, color selection, and packaging as the standard formulations.

Advantages: Pecora 890FTS and Pecora 890FTS-TXTR offer the following features:

- Ability to produce virtually any color in the field through use of Pecora's universal color pack system and color matching services.
- The option of a smooth (890FTS) or a textured, grout-like appearance (890FTS-TXTR).
- Will not stain natural stone or other porous surfaces.
- Superior adhesion: Will bond tenaciously to most substrates without the need for priming.
- Excellent weatherability: Because of its 100% silicone composition, it is virtually unaffected by UV, precipitation, ozone, and temperature extremes.
- Resilient: Will remain flexible under extreme temperature swings (-60°F to 300°F)

PACKAGING

- 1.5 gallon (5.68 L) units

COLOR

- 890FTS and 890FTS-TXTR are available in 51 standard colors (see 890FTS/890FTS-TXTR color chart for details)
- Unlimited range of custom colors. (certain restrictions may apply)

Limitations: Pecora 890FTS and Pecora 890FTS-TXTR should not be used in the following applications:

- Sealing joints >5/8" wide in horizontal decks where exposed to traffic. Refer to Pecora Technical Bulletin #167 for guidelines regarding the use of 890NST in traffic applications.
- Below grade, submerges joints, or below the waterline in marine uses.

TABLE 1: TYPICAL UNCURED PROPERTIES at 77°F (25°C), 50% R.H.

Test Property	Value	Test Procedure
Flow, Sag, Slump (in.)	<0.1	ASTM C639
Tool/Work Time (minutes)	15-20	Pecora Corporation
Tack Free Time (hours)	1-2	ASTM C679
Cure Time (days)	7-14	Pecora Corporation
Full Adhesion (days)	7-14	Pecora Corporation
VOC Content (g/L)	<50	EPA Method 24
VOC Emissions (TVOC)	Pass	CDPH v1.2-2017 (CA Specification 01350)

TABLE 2: TYPICAL CURED PROPERTIES After 7 days cure at 77°F (25°C), 50% R.H.Test

Test Property	Value	Test Procedure
Hardness (Shore A)	15-18	ASTM C661
Elongation (%)	1000	ASTM D412
Modulus @ 100% Elongation (psi)	30	ASTM D412
Tensile Strength (psi)	120	ASTM D412
Tear Strength (ppi)	30	ASTM D624
Peel Strength (pli) on aluminum, glass, and concrete	25	ASTM C794
Dynamic Movement Capability (%) - 890FTS	+100/-50	ASTM C719
Dynamic Movement Capability (%) - 890FTS-TXTR	+50/-50	ASTM C719
Ozone/UV Resistance	Excellent	ASTM C1248
Staining of porous substrates		ASTM C1248
Marble	No stain	
Granite	No stain	
Limestone	No stain	Pecora Corporation
Service Temperature Range (°F)	-60 to +300	CDPH v1.2-2017

Since Pecora Architectural Sealants are applied to varied substrates under diverse environmental conditions and construction situations it is recommended that substrate testing be conducted prior to application.

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- In totally confined or air-free spaces since moisture is necessary for cure.
- In designs that will be painted after the sealant is applied. Apply sealant after painting is completed.
- In structural glazing applications.
- On surfaces with special protective or decorative coatings without prior consultation with Technical Services.
- With building materials that bleed oils, plasticizers, or solvents, i.e., impregnated wood, caulks, some vulcanized rubber gaskets or tapes, etc.
- In interior penetration firestop systems.

TECHNICAL DATA

APPLICABLE STANDARDS: Pecora 890FTS: meets or eceeds the requirements of the following industry specifications: TT-S-230C, Class A; ASTM C920, Class 100, Type S, Grade NS, Use G, A, M, O, and CGSB-19.13-M87.

APPLICABLE STANDARDS: Pecora 890FTS-TXTR: meets or eceeds the requirements of the following industry specifications: TT-S-230C, Class A; ASTM C920, Class 50, Type S, Grade NS, Use G, A, M, O, and CGSB-19GP-9.

Joint Design: Proper sealant dimensions are critical when installing elastomeric joint sealants. Generally, a sealant width-to-depth ratio of 2:1 is recommended. Dynamic joint conditions will require a minimum ¼" width and 3⁄16" depth in order to maintain the sealant's movement capabilities. For joints greater than 1", consult Technical Services. If Pecora 890FTS and Pecora 890FTS-TXTR cannot be installed when the design width is approximately halfway between the dimensional extremes, the designed joint must be at least twice the total anticipated joint movement. Good architectural practice calls for joint design of four times the anticipated movement due to construction tolerances and material variations.

INSTALLATION

Surface Preparation: Clean all joints and glazing areas by removing foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirst, old sealants or glazing compounds, and any protective coating. Porous substrates ad precast concrete panels using form release agents should be cleaned by grinding, saw cutting, blast cleaning (water or sand), mechanical abrading or a combination of these methods which will provide a sounds, clean and dry surface for sealant application. Dust, loose particles, etc. should be blown our of joints with oil'free compressed air or vacuum cleaned. Metal, glass and plastic surfaces should be cleaned with solvent procedure or by mechanical means. Soap or detergent and water cleaning treatments are not recommended. Cleaning of all surfaces should be done on the same day as the sealant is applied.

MIXING:

- Remove plastic film. In the event skinning developed during storage, remove and discard prior to mixing.
- Pour contents of Pecora univesal color pack into pail using a spatula to scrape as much color tint from container as possible.
- For best overall appearance, use the Albion® 381-G01 4 inch mixing paddle or (or other comparable mixing paddle). Do not over mix.

- Mix for about 1 minute, moving drill throughout material while avoiding contact with pail.
- Scrape any unmixed material from sides and bottom of can with a bucket scraping tool.
- Continue mixing for 1 - 2 minutes or until a uniform color is achieved. Do not exceed 4 minutes total mixing time.
- Use clean bulk caulking gun for sealant application.
- Dry tooling is recommended. If a slicking agent is required, use mineral spirits. Wet tooling may reduce the textured appearance of 890FTS-TXTR.

CLEANING: Excess sealant should be removed from all surfaces while still uncured. Cured sealant is very difficult, if not impossible, to remove without altering or damaging the surface it is adhered to.

CAUTION: Solvents may be toxic and/or flammable. Refer to solvent amnufacturer's instructions or Safety Data Sheets (SDS).

Priming: Pecora 890FTS and Pecora 890FTS-TXTR do not require priming on most common substrates. However, Pecora strongly suggests adhesion pre-testing, either in the field or in Pecora's laboratory, on all porous substrates, particularly brick, as well as unusual building materials and other substrates where specific coatings or surface treatments may impair optimum adhesion. Where primer is indicated, P-150 should be used on porous substrates and P-120 on special metal and plastic surfaces. All precast substrates require priming with P-225 primer. All EIFS substrates require priming with P-150 primer. Contact Technical Services for primer use on other substrates..

Joint Backing: Backer rod controls the depth of the sealant and allows it to be applied under pressure. Use a size that will compress 25%. Denver Foam® open-cell

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polyurethane or reticulated (soft) polyethylene rod is recommended. Closed-cell polyethylene may be used but care must be taken not to puncture the rod which can cause outgassing or bubbling/ blistering in the sealant. Open-cell polyurethane is required with non-porous substrates to allow proper curing from both sides of the sealant. In joints too shallow for backer rod, use a polyethylene bond-breaker tape to prevent three-sided adhesion. For detailed information on the use of sealant backing-materials, consult Pecora Technical Bulletin #105.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF THE REACH OF CHILDREN.

Application: All joints should be masked to ensure a neat appearance and prevent sealant applied outside the joint confines from discoloring the substrate.

Shelf Life: Twelve months form date of manufacture when stored in original, airtight containers at temperatures below 90˚F (32˚C).

Precautions: Use in well ventilated area or wear an appropriate NIOSH-approved respirator. Contact with uncured sealant or with vapors generated during curing may cause respiratory tract irritation. Avoid breathing vapor, mist, or dust. Keep container closed when not in use. May cause skin and eye irritation or allergic reaction.

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. May be harmful if swallowed. Refer to Safety Data Sheet (SDS) for more information.

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.

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.

MAINTENANCE

If the sealant is damaged and the bond is intact, cut out the damaged area and recaulk. No primer is necessary. If the bond has been affected, remove the sealant, clean and prepare the joint in accordance with the instructions under “INSTALLATION”.

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 information and assistance, please call our Technical Services department at 215-723-6051 or 800-523-6688.

FILING SYSTEMS

CSI MasterFormat Designation –07 92 00 Joint Sealants

SEALANT • WATERPROOFING & RESTORATION INSTITUTE

Issued to: Pecora Corporation
Product: Pecora 890FTS Silicone Sealant

C719: Pass ✔ Ext:+100% Comp:-50%

Substrate: : Unprimed anodized aluminum & glass substrates [mortar substrate primed with Pecora P-225 Primer]

Validation Date: 3/20/23 – 3/19/28

No. 890-0323

SEALANT VALIDATION
www.swrionline.org

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DON'T STAIN YOUR REPUTATION™ - Pecora NST Non-Staining Technology

For most recent updates, please visit our website at www.pecora.com

Pecora is a member of and supports: SWRI, CSI, AIA, ICRI, ABAA, USGBC, IPI.
Pecora products are proudly made in America.

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PECORA SEALANTS

ASP Enterprises | Bowman Construction Supply Inc. | Quick Supply Co. | Cascade GEOSYNTHETICS

LOCATIONS & CONTACT INFO

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SOLUTIONS WE SUPPLY

GEOSYNTHETICS
Filter Fabrics
Stabilization Fabrics
Geogrids
- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics
Composite Geomembranes
- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL
Inlet Protection
- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks
- Triangle Silt Dike
- GeoRidge

Perimeter Protection
- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment
- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers
Dewatering Bags
Trackout Control
- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL
Basic Hydraulically Applied Mulches
- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically Applied Products
- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets
- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets
- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs
- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment
- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT
Water Quality
- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity
- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage
- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures
- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers
- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY
Natural & Synthetic Coir Fiber Logs
Vegetated Reinforced Soil Slopes
Soil Anchors
Root Barrier System
AquaBlok
Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

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