

## Product Certification Letter – 864NST

To Whom It May Concern:

This will certify that Pecora 864NST Silicone sealant conforms to Interim Federal Specification TT-S-00230C, Amendment 2, Class A and Class B, February 20, 1970, Type II, non-sag.

Also, this will certify that Pecora 864NST Silicone sealant conforms to the requirement of Federal Specification TT-S-001543A (COM-NBS), June 9, 1971, non-sag, Class A and Class B.

Pecora 864NST Silicone conforms to the requirement of ASTM Specification C920, Type S, Grade NS, Class 50, Use NT, G, A, M, O. Pecora 864NST exhibits +/- 50% cyclic movement capability in accordance with ASTM C-719.

Pecora 864NST Silicone is certified for use on natural stones such as marble, granite, and limestone and has been successfully tested to ASTM C1248 Staining of Porous Substrates by Joint Sealants.

Pecora 864NST Silicone contains 98g/l volatile organic content (VOC). This product is manufactured in Harleysville, Pennsylvania.

Material shipped into VOC regulated areas will include the designation “LV” in finished good code and will comply with VOC limits of <50g/L as designated by SCAQMD Rule 1168 effective 1/1/19.

Pecora sealants and waterproofing products are manufactured in the United States and meet the requirements for use as “Domestic End Products,” as stated in the Buy American Act Title 41 USC 10.

The test for an item of domestic construction material has two parts:

1. It must be manufactured in the United States, and
2. The cost of the products domestic components must exceed 50 percent of the cost of all components.

Pecora 864NST Silicone is approved and acceptable for use in processing or storage facilities for meat or poultry food products.

Pecora 864NST Silicone does not contain asbestos, PCB, or lead as part of its formulation.

Pecora 864NST Silicone is validated through SWRI.

Sincerely,



Roy D. Cannon, Jr.  
Director, Construction Materials Technology  
PECORA CORPORATION



## ASTM D 5893-10 Test Report

**Standard Specification for  
Cold Applied, Single Component Chemically Curing Silicone  
Joint Sealant for Portland Cement Concrete Pavements**

**PECORA 301NS PAVEMENT SEALANT**

ASTM D 5893-10 Test Report 1/2016

### Physical Requirements

<b>TEST</b>	<b>ASTM</b>	<b>NOTES</b>	<b>REQUIREMENT</b>	<b>RESULTS</b>
Cure		.5" cross section	21 Day Max. @ RT	7 days
Slump	D 2202	NS Boeing Jig	$\leq 0.3"$	0.05"
Extrusion Rate,	C 1183	40 psi for 60 sec.	$> 20$ mL/min.	21
Tack Free Time	C 679	30g on polyethylene Sample size = 3.75" X 1"	5 hrs. +/- 10 min.	68
Heat Aging Effects	C 792	.25" thick casings on Q-Panel	No cracking, chalking  $\leq 10\%$ mass Loss	No Cracking, Chalking $< 10\%$
Bond <sup>1</sup>	D 5329	- Non-immersed - H <sub>2</sub> O immersed - Oven-Aged, 7 days @ 70°C <i>NOTE: Samples must complete 5 extension cycles @ 100% extension within 7 days.</i>	0% Cohesive or Adhesive Failure	0% Coh. 0% Coh.
Hardness	C 661	21 day cure Shore A-2 @ -20°F 21 day cure Shore 00 @RT	$\leq 25$ $> \geq 30$	14 60



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**PECORA 30INS PAVEMENT SEALANT**

### ASTM D 5893-10 Test Report

#### Physical Requirements

<b>TEST</b>	<b>ASTM</b>	<b>NOTES</b>	<b>REQUIREMENT</b>	<b>RESULTS</b>
Flow	D 5329	21 day cure @ RT then 72 hrs. @ 200°F	No Flow	No Flow
Elongation	D 412	20"/min. crosshead speed	>/=600%	1600%
Modulus	D 412	@ 150% elongation	</= 45 psi	25 psi
Accelerated Weathering	C 793	QUV 5000 hrs., 4 hrs. @ 60°C UV 5 hrs. @ 50°C Wet	No cracking, chalking	No Cracking, Chalking
Resilience	D 5329	Sealant in tin ~2.75" diam. X 1.75 depth Oven age 7 days @ 70°C Cool to RT	>/= 75%	> 95%

<sup>1</sup> Sealant tested @ + 100% extension

Pecora R & D, OC, and Technical Service laboratories operate under guidelines set forth under ASMT C-1021, Standard Practice for Laboratories Engaged in Testing of Building Sealants, and meet all listed qualification to perform the testing reported above.

