

ASTM C920 TEST REPORT

June, 2019

SUBJECT: Conformance of **PECORA 890FTS SILICONE SEALANT** to ASTM C920 Standard Specification for Elastomeric Joint Sealants.

SUMMARY: **PECORA 890FTS SILICONE SEALANT** was tested in accordance with ASTM C920 and was found to meet and/or exceed all the necessary requirements for class 100, Type S, Grade NS, Use NT.

<u>ASTM C920</u>	<u>REQUIREMENTS</u>	<u>RESULTS</u>
Stability	6 months at 80°F.	Pass
Color	Agreed upon by purchaser	>50 standard colors
Rheological Properties ASTM C639	No flow more than 3/16" @ 40°F and 122°F.	40°F. None 122°F. None
Extrusion Rate	>10 mL/min	45 mL/min
Hardness ASTM C661	Shore A of 15-50	17 +/-2
Effects of Heat Aging ASTM C1246	Shall not lose more than 10% weight, nor show cracks or chalking at 158°F.	Less than 4.4 weight loss No cracking or chalking
Tack-free Time ASTM C679	Not more than 72 hours	1 - 2 hrs. at 75°F. (24°C)
Stain & Color Change ASTM C510	No stain or color change on white cement mortar	Non-staining No color change
Cyclic Movement ASTM C719 +100/-50%	Less than 1 ½ square inches of bond failure on 3 samples	No bond loss total among 3 specimens or mortar*, glass and aluminum (*use w/P-225 primer).
Adhesion-in-Peel ASTM C794	No less than 5PLI and no more than 25% adhesion loss.	25 lb. peel strength and 0% adhesion loss on mortar*, glass or aluminum (*use w/P-225 primer).
Effects of Accelerated Weathering ASTM C793 (5000hrs)	No cracking after QUV exposure and ½ inch mandrel bend at -15°F. - + 3.6°F	No cracking

CONCLUSION: **PECORA 890FTS SILICONE SEALANT** complies with ASTM C920, class 100, Type S, Grade NS, Use NT.

Pecora R & D, QC, and Technical Service laboratories operate under guidelines set forth under ASTM C1021, Standard Practice for Laboratories Engaged in Testing of Building Sealants, and meet all listed qualification to perform the testing reported above.