

January, 2019

SUBJECT: Conformance of **PECORA 898NST SILICONE SEALANT** to ASTM C-920

SUMMARY: **PECORA 898NST SILICONE SEALANT** was tested in accordance with ASTM C-920 and was found to meet or exceed all the necessary requirements for Type S, Grade NS, Class 50, Use NT.

<u>C-920</u>	<u>REQUIREMENTS</u>	<u>RESULTS</u>
Stability	6 months at 80°F	Pass
Color	Agreed upon by purchaser	7 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	Not more than 45 seconds	3 seconds
Hardness ASTM C661	Shore A of 15-50	25
Effects of Heat Aging ASTM C792	Shall not lose more than 10% weight, nor show cracks or chalking at 158°F.	Less than 3.3 weight loss. No cracking or chalking.
Tack-free Time ASTM C679	Not more than 72 hours	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	Less than 1 ½ square inches of bond failure on 3 samples	No bond loss total among 3 specimens on mortar*, glass & aluminum (*use w/P-225 primer).
Adhesion-in-peel ASTM C794	No less than 5 PLI and no more than 25% adhesion loss.	30 lb. (9.1 kg) peel strength and 0% adhesion loss on mortar*, glass or aluminum (*use w/P-225 primer)
Effects of Accelerated Weathering ASTM C793	No cracking after WOM exposure and when bent over ½ inch mandrel at -15°F. - + 3.6°F.	No cracking
Adhesion-in-peel	5 PLI minimum.	20 PLI (9.1 kg)
After UV Exposure Through Glass ASTM C794	25% adhesive loss maximum	No adhesive failure.

CONCLUSIONS: **PECORA 898NST SILICONE SEALANT** complies with ASTM C-920 Type S, Grade NS, Class 50, Use NT.

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

