

ASTM C920 TEST REPORT

June, 2019

SUBJECT: Conformance of **PECORA DYNATROL I-XL HYBRID STPU SEALANT** to ASTM C920.

SUMMARY: **PECORA DYNATROL I-XL HYBRID STPU SEALANT** was tested in accordance with ASTM C920 and was found to meet or exceed all the necessary requirements for Class 50, Type S, Grade NS, Use NT, T₁, G, A, M and O.

<u>C920</u>	<u>REQUIREMENTS</u>	<u>RESULTS</u>
Stability	6 months at 80°F.	Pass
Color	Agreed upon by purchaser	9 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	2 seconds
Hardness ASTM C661	Shore A of 15-50	27
Effects of Heat Aging ASTM C792	Shall not lose more than 10% weight, nor show cracks or chalking at 158°F.	Less than 4.5 weight loss No cracking or chalking
Tack-free Time ASTM C679	Not more than 72 hours	2.5 - 3 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 @ +50 / -50%	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.	30 PLI (13.6 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 After U.V. Exposure Through Glass ASTM C794	5 PLI minimum. 25% adhesive loss maximum.	30 PLI (13.6 kg) No adhesive failure

CONCLUSIONS: **PECORA DYNATROL I-XL HYBRID STPU SEALANT** complies with ASTM C920 Class 50, Type S, Grade NS, Use NT, T₁, G, A, M and O.

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.

