



## TEST REPORT

January, 2019

**SUBJECT:** Conformance of **PECORA DYNAFLEX POLYURETHANE SEALANT** to ASTM C920

**SUMMARY:** **PECORA DYNAFLEX POLYURETHANE SEALANT** was tested in accordance with ASTM C920 and was found to meet or exceed all the necessary requirements for Type M, Grade NS, Class 12.5, Use T<sub>1</sub>, M, O.

| <u><b>C920</b></u>                  | <u><b>REQUIREMENTS</b></u>                                                          | <u><b>RESULTS</b></u>                                                |
|-------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Stability                           | 6 months at 80°F                                                                    | Pass                                                                 |
| Color                               | Agreed upon by purchaser                                                            | >50 standard colors                                                  |
| Rheological Properties<br>ASTM C639 | No flow more than 3/16" @ 40°F<br>and 122°F                                         | 40°F, None<br>122°F, None                                            |
| Extrusion Rate                      | Not more than 45 seconds                                                            | 4 seconds                                                            |
| Application Life<br>ASTMC603        | 3 hours minimum                                                                     | Passes                                                               |
| Hardness ASTM C661                  | Shore A of 15-50                                                                    | >50                                                                  |
| Effects of Heat Aging<br>ASTM C792  | Shall not lose more than 10% weight<br>weight, nor show cracks or chalking<br>158°F | Less than 1.0% weight loss.<br>No cracking or chalking               |
| Tack-free Time<br>ASTM C679         | Not more than 72 hours                                                              | 72 hours at 75°F. (24°C)                                             |
| Stain & Color Change<br>ASTM C510   | No stain or color change on white<br>cement mortar                                  | Non-staining<br>No color change.                                     |
| Cyclic Movement<br>ASTM C719        | Less than 1 ½ square inches<br>of bond failure on 3 samples                         | No bond loss total among<br>3 specimens on mortar*<br>(*P-75 primer) |



Adhesion-in-peel  
ASTM C794

No less than 5 PLI and no more  
than 25% adhesion loss.

27 lb. (12.3 kg) peel strength  
and 0% adhesion loss on  
mortar\* (\*P-75 primer)

Effects of Accelerated  
Weathering ASTM C793

No cracking after QUV exposure  
and bent over ½ inch mandrel at  
-15°F - + 3.6°F

No cracking

**CONCLUSIONS:**    **PECORA DYNAFLEX POLYURETHANE SEALANT** complies with  
ASTM C920 Type M, Grade NS, Class 12.5, Use T<sub>1</sub>, M, 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.