



NEVADA DEPARTMENT OF TRANSPORTATION - RESEARCH SECTION

EXTERNAL PRODUCT/MATERIAL ACCEPTANCE CRITERIA
 QPL Section 646.02.02 – CRACK SEALANTS

Category Description: Healer/sealer used to seal and repair existing cracks.

Primary Evaluating Section: Materials

Evaluation Criteria (adopted 03/10/2020):

Requirement	Criteria	Test
For Epoxy Materials	ASTM C881	Type 1, Grade 1
For Methacrylate Materials: <ul style="list-style-type: none"> • Viscosity (b) @ 25 °C (77 °F) • Specific Gravity @ 25 °C (77 °F) • Flash Point • Tack-Free Time 25 °C (77 °F) • Bond Strength (c) @ 21 ± 1 °C (70 ± 2 °F) 	ASTM D2196 (a) ASTM D1475 (a) ASTM D3278 (a) Calif. 551 Calif. 551	< 0.025 (0.25) Pa · s (poises) > 0.90 > 0.82 (180) °C (°F) > 400 minutes > 3.5 (500) MPa (psi)
For Other Materials: independent laboratory test results showing conformance to the criteria <ul style="list-style-type: none"> • Compressive Strength @ 73°F • Tensile Strength @ 73°F • Bond Strength (Hardened Concrete to Hardened Concrete, Moist Cure) @ 73°F 	ASTM C695 ASTM D638 ASTM C882	5000 psi @ 7 days 2000 psi @ 7 days 1500 psi @ 14 days

(a) Perform test before additional of the initiator.

(b) Brookfield RVT with UL adaptor, 50 rpm.

(c) PCC Saturated Surface-Dry Bond Strength at 24 hr.

Note: Provide independent laboratory testing results showing conformance to criteria for product type. No field test is required, but applicant must state what Type and Grade product qualifies as.