



Infrastructure

HIGHWAY DESIGN BRANCH

Specification No: APL103-1

Effective Date
Current: **February 2021**
Previous: January 2013

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Materials Specification For: Hot Pour Joint and Crack Sealant

Hot-applied sealant must be a single component material that meets the low modulus ASTM D6690 specification for Type IV sealant. MIT's specification for hot-applied sealant is as follows:

Physical Requirement	Test Method	Specification
Cone Penetration @ 25°C, dmm	ASTM D5329	110 min - 150 max
Flow @ 60°C, mm	ASTM D5329	3 mm max
Bond @ -29°C, 12.7 mm specimen, 200% extension	ASTM D5329	Pass 3 cycles
Resilience @ 25°C	ASTM D5329	60% min
Asphalt Compatibility	ASTM D5329	Pass all requirements
Cone Penetration at -17.8°C, dmm	ASTM D5329	> 40

The hot-applied sealant shall be self-levelling, and should not flow or track at high pavement temperatures.