

3. **Rubberized asphalt** (two-component) shall conform to the following:

Property	Test Procedures	Physical Requirements
Pot life at 77°F		Min. 25 minutes
Initial cure time at 77°F		Max. 60 minutes
Hardness, Shore A	ASTM D2240	Max. 20
Flow at 140°F (5 hr)	ASTM D1851	No flow
Bond at 0°F (3 cycles)	ASTM D1851	Min. 50% of original width
Water absorption (72 hr)		Max. 0.1%
ASTM No. 3 oil absorption (24 hr)		Max. 0.1%

SECTION 213—DAMP-PROOFING AND WATERPROOFING MATERIALS

213.01—Description.

These specifications cover materials, generally asphalt based, that are intended to prevent or delay the passage of water, usually through a section of hydraulic cement concrete.

213.02—Detail Requirements.

- (a) **Asphalt** shall conform to the requirements of ASTM D312, Type II. Where vertical or near vertical surfaces are encountered, asphalt shall conform to the requirements of ASTM D312, Type IV. Primer shall conform to the requirements of AASHTO M116.
- (b) **Fabric** shall conform to the requirements of AASHTO M117. When cotton fabric is used, it shall be saturated with asphalt. Glass fiber shall conform to the requirements of ASTM D1668.
- (c) **Joint sealers** for horizontal joints shall be an asphalt cement, viscosity grade AC-40, conforming to the requirements of Section 210. Sealers for vertical joints shall have fiber added, 20 percent by weight. Fiber and asphalt shall be mixed by the manufacturer to ensure a uniform mixture.
- (d) **Membrane** shall conform to ASTM D6153.