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**COMMERCIAL PRODUCTS TESTING—ROOFING  
TEST METHOD SELECTION LIST**

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Check those test methods for which you are requesting accreditation. Related test methods are grouped together under a group title (shown in bold type).

<i>NVLAP Test Method Code</i>	<i>Test Method Designation</i>	<i>Short Title</i>
<input type="checkbox"/> <b>25/A01</b>	<b>Aggregate Characterization</b>	
<input type="checkbox"/> 25/A01a	ASTM D4074	Bitumen and Aggregate Content of Bitumen-Aggregate Mixtures from Roofing Samples
<input type="checkbox"/> 25/A01b	ASTM D1864	Moisture in Mineral Aggregate Used on Built-Up Roofs
<input type="checkbox"/> 25/A01c	ASTM D1865	Hardness of Mineral Aggregate Used on Built-Up Roofs
<input type="checkbox"/> 25/A01d	ASTM D5081	Aggregate Layer Hiding Power
<input type="checkbox"/> 25/A01e	ASTM D5100	Adhesion of Mineral Aggregate to Hot Bitumen
<input type="checkbox"/> <b>25/A02</b>	<b>Analysis of Bitumen-Saturated Felts and Fabrics</b>	
<input type="checkbox"/> 25/A02a	ASTM D146	Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing
<input type="checkbox"/> <b>25/A03</b>	<b>Analysis of Roll Roofing, Cap Sheets, and Shingles</b>	
<input type="checkbox"/> 25/A03a	ASTM D228	Asphalt Roll Roofing, Cap Sheets, and Shingles
<input type="checkbox"/> <b>25/A04</b>	<b>Asphalt Adhesion (Wet)</b>	
<input type="checkbox"/> 25/A04a	ASTM D3409	Adhesion of Asphalt-Roof Cement to Damp, Wet, or Underwater Surfaces
<input type="checkbox"/> <b>25/A05</b>	<b>Bitumen Content</b>	
<input type="checkbox"/> 25/A05a	ASTM D4	Bitumen Content

___	<b>25/A06</b>	<b>Bituminous Emulsions</b>	
___	25/A06a	ASTM D2939	Emulsified Bitumens Used as Protective Coatings
___	25/A06b	ASTM D2963	Flow Table Consistency of Clay-Stabilized Asphalt Emulsions
___	<b>25/A07</b>	<b>Characterizing Thermoplastic Fabrics</b>	
___	25/A07a	ASTM D4830	Characterizing Thermoplastic Fabrics Used in Roofing and Waterproofing
___	<b>25/A08</b>	<b>Conditioning of Plastics</b>	
___	25/A08a	ASTM D618	Practice for Conditioning Plastics and Electrical Insulating Materials for Testing
___	<b>25/A09</b>	<b>Creep Resistance of Seams</b>	
___	25/A09a	ASTM D5405	Conducting Time-to-Failure (Creep-Rupture) Tests of Joints Fabricated from Nonbituminous Organic Roof Membrane Material
___	<b>25/A10</b>	<b>Granule Adhesion</b>	
___	25/A10a	ASTM D4977	Granule Adhesion to Mineral Surfaced Roofing by Abrasion
___	<b>25/A11</b>	<b>Heat Exposure</b>	
___	25/A11a	ASTM D3045	Practice for Heat Aging of Plastics Without Load
___	25/A11b	ASTM D573	Rubber—Deterioration in an Air Oven
___	<b>25/A12</b>	<b>Hydrostatic Pressure of Membranes</b>	
___	25/A12a	ASTM D5385	Hydrostatic Pressure Resistance of Waterproofing Membranes
___	<b>25/A13</b>	<b>Impact/Puncture Resistance</b>	
___	25/A13a	ASTM D3746	Impact Resistance of Bituminous Roofing Systems
___	25/A13b	ASTM D5602	Static Puncture Resistance of Roofing Membrane Specimens
___	25/A13c	ASTM D5635	Dynamic Puncture Resistance of Roofing Membrane Specimens



\_\_\_ **25/A14 Load-Strain**

___	25/A14a	ASTM D2523	Practice for Testing Load-Strain Properties of Roofing Membranes
___	25/A14b	ASTM D751 (Sec. 11-17)	Coated Fabrics
___	25/A14c	ASTM D816 (Sec. 11-13)	Rubber Cements
___	25/A14d	ASTM D412	Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers—Tension
___	25/A14e	ASTM D638	Tensile Properties of Plastics
___	25/A14f	CGSB 37-GP-56M (Sec. 5.10 & Para. 7.2.9)	Lap Joint Strength

\_\_\_ **25/A15 Low Temperature Pliability and Brittleness**

___	25/A15a	ASTM D5636	Low Temperature Unrolling of Felt or Sheet Roofing and Waterproofing Materials
___	25/A15b	ASTM D2136	Coated Fabrics—Low-Temperature Bend Test
___	25/A15c	ASTM D2137	Rubber Property—Brittleness Point of Flexible Polymers and Coated Fabrics
___	25/A15d	CGSB 37-GP-56M (Sec. 5.5 & Para. 7.2.5)	Low Temperature Flexibility

\_\_\_ **25/A16 Mass and Dimensions, and Changes on Heating**

___	25/A16a	ASTM D751 (Sec. 7-10)	Coated Fabrics
___	25/A16b	ASTM D6	Loss on Heating of Oil and Asphaltic Compounds
___	25/A16c	ASTM D1204	Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature

\_\_\_ **25/A17 Moisture Absorption, Content, and Transmission**

___	25/A17a	ASTM D95	Water in Petroleum Products and Bituminous Materials by Distillation
___	25/A17b	ASTM D471	Rubber Property—Effect of Liquids
___	25/A17c	ASTM D570	Water Absorption of Plastics




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___	25/A17d	ASTM E96	Water Vapor Transmission of Materials
___	<b>25/A18</b>	<b>Ozone Resistance</b>	
___	25/A18a	ASTM D1149	Rubber Deterioration-Surface Ozone Cracking in a Chamber
___	<b>25/A19</b>	<b>Rubber Adhesion</b>	
___	25/A19a	ASTM D413 (Machine Method, Strip Specimens Type A)	Rubber Property—Adhesion to Flexible Substrate
___	25/A19b	ASTM D429 (Method B)	Rubber Property—Adhesion to Rigid Substrates
___	<b>25/A20</b>	<b>Sampling and Testing Modified Bitumens</b>	
___	25/A20a	ASTM D5147	Sampling and Testing Modified Bituminous Sheet Material
___	<b>25/A21</b>	<b>Sieve Analysis</b>	
___	25/A21a	ASTM D451	Sieve Analysis of Granular Mineral Surfacing for Asphalt Roofing Products
___	25/A21b	ASTM D452	Sieve Analysis of Surfacing for Asphalt Roofing Products
___	<b>25/A22</b>	<b>Softening Point</b>	
___	25/A22a	ASTM D36	Softening Point of Bitumen (Ring-and-Ball Apparatus)
___	25/A22b	ASTM D3461	Softening Point of Asphalt and Pitch (Mettler Cup-and-Ball Method)
___	<b>25/A23</b>	<b>Staining Tendency and Compatibility (Asphaltic Materials)</b>	
___	25/A23a	ASTM D2746	Staining Tendency of Asphalt (Stain Index)
___	25/A23b	ASTM D1370	Contact Compatibility Between Asphaltic Materials (Oliensis Test)
___	<b>25/A24</b>	<b>Tear</b>	
___	25/A24a	ASTM D4073	Tensile-Tear Strength of Bituminous Roofing Membranes
___	25/A24b	ASTM D4932	Fastener Rupture and Tear Resistance of Roofing and Waterproofing Sheets, Roll Roofing, and Shingles



___	25/A24c	ASTM D5601	Tearing Resistance of Roofing and Waterproofing Materials and Membranes
___	25/A24d	ASTM D624	Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
___	25/A24e	ASTM D1004	Initial Tear Resistance of Plastic Film and Sheeting
___	25/A24f	ASTM D751 (Sec. 33-36)	Coated Fabrics
___	<b>25/A25 Uplift Resistance</b>		
___	25/A25a	ASTM D3161	Wind-Resistance of Asphalt Shingles (Fan-Induced Method)
___	25/A25b	ASTM E907	Field Testing Uplift Resistance of Roofing Systems Employing Steel Deck Rigid Insulation and Bituminous Built-Up Roofing
___	<b>25/A26 UV Exposure</b>		
___	25/A26a	ASTM D2565	Practice for Operating Xenon Arc-Type Light-Exposure Apparatus With and Without Water for Exposure of Plastics
___	25/A26b	ASTM D529	Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Carbon-Arc Method)
___	25/A26c	ASTM D1670	Failure End Point in Accelerated and Outdoor Weathering of Bituminous Materials
___	25/A26d	ASTM D4798	Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Xenon-Arc Method)
___	25/A26e	ASTM D4799	Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Fluorescent UV and Condensation Method)
___	25/A26f	ASTM G26	Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials
___	25/A26g	ASTM G53	Practice for Operating Light- and Water-Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Nonmetallic Materials



\_\_\_ **25/A27 Viscosity**

___	25/A27a	ASTM D4402	Viscosity Determinations of Unfilled Asphalts Using the Brookfield Thermosel Apparatus
___	25/A27b	ASTM D1824	Apparent Viscosity of Plastisols and Organosols at Low Shear Rates by Brookfield Viscometer
___	25/A27c	ASTM D4989	Apparent Viscosity (Flow) of Roofing Bitumens Using the Parallel Plate Plastomer
___	25/A27d	ASTM D88	Saybolt Viscosity
___	25/A27e	ASTM E102	Saybolt Furol Viscosity of Bituminous Materials at High Temperatures

\_\_\_ **25/A28 Voids in Membranes**

___	25/A28a	ASTM D5076	Measuring Voids in Roofing and Waterproofing Membranes
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\_\_\_ **25/A29 Watertightness**

___	25/A29a	CGSB 37-GP-56M (Para. 7.2.7.1)	Watertightness Test
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