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

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"/> 25/A01 | Aggregate Characterization | |
| <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"/> 25/A02 | Analysis of Bitumen-Saturated Felts and Fabrics | |
| <input type="checkbox"/> 25/A02a | ASTM D146 | Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing |
| <input type="checkbox"/> 25/A03 | Analysis of Roll Roofing, Cap Sheets, and Shingles | |
| <input type="checkbox"/> 25/A03a | ASTM D228 | Asphalt Roll Roofing, Cap Sheets, and Shingles |
| <input type="checkbox"/> 25/A04 | Asphalt Adhesion (Wet) | |
| <input type="checkbox"/> 25/A04a | ASTM D3409 | Adhesion of Asphalt-Roof Cement to Damp, Wet, or Underwater Surfaces |
| <input type="checkbox"/> 25/A05 | Bitumen Content | |
| <input type="checkbox"/> 25/A05a | ASTM D4 | Bitumen Content |

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



___ **25/A14 Load-Strain**

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|-----|---------|--|--|
| ___ | 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**

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|-----|---------|-----------------------|---|
| ___ | 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 |
| ___ | 25/A18 Ozone Resistance | | |
| ___ | 25/A18a | ASTM D1149 | Rubber Deterioration-Surface Ozone Cracking in a Chamber |
| ___ | 25/A19 Rubber Adhesion | | |
| ___ | 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 |
| ___ | 25/A20 Sampling and Testing Modified Bitumens | | |
| ___ | 25/A20a | ASTM D5147 | Sampling and Testing Modified Bituminous Sheet Material |
| ___ | 25/A21 Sieve Analysis | | |
| ___ | 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 |
| ___ | 25/A22 Softening Point | | |
| ___ | 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) |
| ___ | 25/A23 Staining Tendency and Compatibility (Asphaltic Materials) | | |
| ___ | 25/A23a | ASTM D2746 | Staining Tendency of Asphalt (Stain Index) |
| ___ | 25/A23b | ASTM D1370 | Contact Compatibility Between Asphaltic Materials (Oliensis Test) |
| ___ | 25/A24 Tear | | |
| ___ | 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 |



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| ___ | 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 |
| ___ | 25/A25 Uplift Resistance | | |
| ___ | 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 |
| ___ | 25/A26 UV Exposure | | |
| ___ | 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**

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|-----|---------|------------|---|
| ___ | 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**

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

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