

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this

A handwritten signature in blue ink is positioned over a horizontal bar. The bar is divided into two sections: a yellow section on the left and a blue section on the right. The signature is a cursive-style name that spans across both sections of the bar.

| <u>Test Method:</u> | <u>Test Description:</u> |
|----------------------------|---|
| ASTM D6055 | Standard test methods for mechanical handling of unitized loads and large shipping cases and crates |
| ASTM D6179 | Standard test methods for rough handling of unitized loads and large shipping cases and crates |
| ASTM D6653/D6653M | Standard test methods for determining the effects of high altitude on packaging systems by vacuum method |
| ASTM E604 | Standard Test Method for Dynamic Tear Testing of Metallic Materials |
| ASTM F1980 | Standard guide for accelerated aging of sterile barrier systems for medical devices |
| ASTM G152 | Standard practice for operating open flame carbon arc light apparatus for exposure of nonmetallic materials (except ISO 4892-4) |
| ASTM G153 | Standard practice for operating enclosed carbon arc light apparatus for exposure of nonmetallic materials (except ISO 4892-4) |
| ASTM G154 | Standard practice for operating fluorescent ultraviolet (UV) lamp |

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| <u>Test Method:</u> | <u>Test Description:</u> |
|----------------------------|---|
| ASTM C165 | Standard test method for measuring compressive properties of thermal insulations (except for E4, E177 and E240) |
| ASTM C167 | Standard test methods for thickness and density of blanket or batt thermal insulations |
| ASTM C203 | Standard test methods for breaking load and flexural properties of block-type thermal insulation |
| ASTM C302 | Standard test method for density and dimensions of preformed pipe-covering-type thermal insulation |
| ASTM C303 | Standard test method for dimensions and density of preformed block and board-type thermal insulation |
| ASTM C446 | Standard test method for breaking load and calculated modulus of rupture of preformed insulation for pipes |
| ASTM C550 | Standard test method for measuring trueness and squareness of rigid block and board thermal insulation |
| ASTM C794 | Standard test method for adhesion-in-peel of elastomeric joint sealants |
| ASTM C836/C836M | Standard specification for high solids content, cold liquid-applied elastomeric waterproofing membrane for use with |
| ASTM C1304 | Standard test method for assessing the odor emission of thermal insulation materials |
| ASTM C1305 | Standard test method for crack bridging ability of liquid-applied waterproofing membrane |
| ASTM C1335 | Standard test method for measuring non-fibrous content of man-made rock and slag mineral fiber insulation |
| ASTM C1511 | Standard test method for determining the water retention (repellency) characteristics of fibrous glass insulation (aircraft type) |
| ASTM C1559 | Standard test method for determining wicking of fibrous glass blanket insulation (aircraft type) |
| ASTM D523 | Standard test method for specular gloss |
| ASTM D618 | Standard practice for conditioning plastics for testing |
| ASTM D751 | Standard test methods for coated fabrics |

| <u>Test Method:</u> | <u>Test Description:</u> |
|----------------------------|--|
| ASTM D2244 | Standard practice for calculation of color tolerances and color differences from instrumentally measured color coordinates |
| ASTM D2842 | Standard test method for water absorption of rigid cellular plastics |
| ASTM D3045 | Standard practice for heat aging of plastics without load |
| ASTM D3359 | Standard test methods for measuring adhesion by tape test |
| ASTM D3363 | Standard test method for film hardness by pencil test |
| ASTM D3389 | Standard test method for coated fabrics abrasion resistance (rotary platform abrader) |
| ASTM D3574 | Standard test methods for flexible cellular materials—slab, bonded, and molded urethane foams |
| ASTM D4060 | Standard test method for abrasion resistance of organic coatings by the taber abraser |
| ASTM D5420 | Standard test method for impact resistance of flat, rigid plastic specimen by means of a striker impacted by a falling weight (Gardner impact) |
| ASTM E96/E96M | Standard test methods for water vapor transmission of materials |
| ASTM F2096 | Standard test method for detecting gross leaks in packaging by internal pressurization (bubble test) |
| BS EN 50155 | Railway applications – Rolling stock – Environmental Tests |
| BS EN 61373 | Railway applications – Rolling stock – Shock and Vibration Tests |

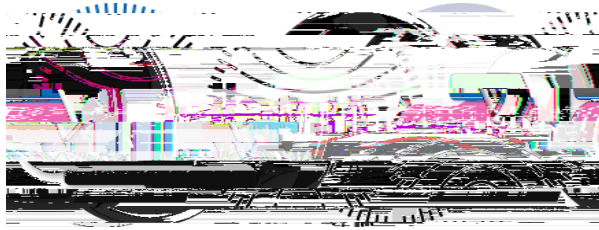
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| Equipment parameters | |
|--|---|
| Environmental: Temperature and humidity capabilities | Temperature Chamber -60°C to + 100°C Humidity 5% RH to 95%RH |
| Vibration: Electrodynamic vibration and shock capabilities | Displacement: ±1 inch(25mm) 2 inch (50 mm) total displacement. Frequency: 0 – 3,000H2 Force rating:4,000 lfb (17.8kN0) Shock: 60Gs |

*This accreditation covers testing performed at the main laboratory, as well as the satellite laboratories listed below.

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For the tests to which this accreditation applies, please refer to the laboratory's

Mechanical Scope of Accreditation.