



Accredited Laboratory

A2LA has accredited

NELSON TESTING LABORATORIES

Elmhurst, IL

for technical competence in the field of

Construction Materials Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 11th day of December 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6045.01
Valid to December 31, 2022

For the tests to which this accreditation applies, please refer to the laboratory's Construction Materials Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NELSON TESTING LABORATORIES
717 N. Industrial Drive
Elmhurst, IL 60126
Mark Nelson Phone: 630-501-0230

Valid To: December 31, 2022

Certificate Number: 6045.01

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

CONSTRUCTION MATERIALS ENGINEERING

- ASTM: C1093 (Standard Practice for Accreditation of Testing Agencies for Masonry);
E329 (Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection);
- AASHTO: R18 (Practice for Establishing and Implementing a Quality Management System for Construction Materials Testing Laboratories)

CONSTRUCTION MATERIALS TESTING

| Test Method: | Test Description: |
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| Brick | |
| ASTM C216* | Facing Brick (Solid Masonry Units made from Clay or Shale) |
| ASTM C67 (Sections 6,7,8,9,10,11) | Sampling and Testing Brick and Structural Clay Tile |
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| Dimension stone | |
| ASTM C97 | Absorption and Bulk Specific Gravity of Dimension Stone |
| ASTM C99 | Modulus of Rupture of Dimension Stone |
| ASTM C170/C170M | Compressive Strength of Dimension Stone |
| ASTM C880 | Flexural Strength of Dimension Stone |
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| Masonry Mortars | |
| ASTM C270* | Mortar for Unit Masonry |
| ASTM C387* | Packaged, Dry, Combined Materials for Mortar and Concrete |
| ASTM C1329* | Mortar Cement |
| ASTM C1072 | Measurement of Masonry Flexural Bond Strength |
| ASTM C1314 | Compressive Strength of Masonry Prisms |
| ASTM C1714 | Preblended Dry Mortar Mix for Unit Masonry |
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| Masonry Grouts | |
| ASTM C476* | Grout for Masonry |
| ASTM C1019 | Sampling and Testing Grout |

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| Lime | |
| ASTM C206* | Finishing Hydrated Lime |
| ASTM C207* | Hydrated Lime for Masonry Purposes |
| ASTM C110 | Physical Testing of Quicklime, Hydrated Lime and Limestone |
| ASTM C151 | Autoclave Expansion of Hydraulic Cement |
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| Water Penetration Wall Testing | |
| ASTM E514 | Water Penetration and Leakage Through Masonry |
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| Cementitious Grouts | |
| ASTM C1107* | Packaged Dry, Hydraulic-Cement Grout (Nonshrink) |
| ASTM C827 | Change in Height at Early Ages of Cylindrical Specimens of Cementitious Mixtures |
| ASTM C939 | Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method) |
| ASTM C1090 | Measuring Changes in Height of Cylindrical Specimens of Hydraulic-Cement Grout |
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| Cementitious Repair Mortars | |
| ASTM C928* | Packaged, Dry, Rapid-Hardening Cementitious Materials for Concrete Repairs |
| ASTM C39 | Compressive Strength of Cylindrical Concrete Specimens |
| ASTM C109 | Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens) |
| ASTM C157 | Length Change of Hardened Hydraulic-Cement Mortar and Concrete |
| ASTM C191 | Time of Setting of Hydraulic Cement by Vicat Needle |
| ASTM C267 | Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing and Polymer Concretes |
| ASTM C348 | Flexural Strength of Hydraulic-Cement Mortars |
| ASTM C469 | Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression |
| ASTM C496 | Splitting Tensile Strength of Cylindrical Concrete Specimens |
| ASTM C666 | Resistance of Concrete to Rapid Freezing and Thawing |
| ASTM C882 | Bond Strength of Epoxy-Resin Systems Used With Concrete By Slant Shear |
| ASTM C1202 | Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration |
| ASTM C1581 | Determining Age at Cracking and Induced Tensile Stress Characteristics of Mortar and Concrete under Restrained Shrinkage |
| ASTM C1583 | Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method) |
| AASHTO T358 | Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration |
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| Concrete Admixtures | |
| ASTM C260* | Air-Entraining Admixtures for Concrete |
| ASTM C494* | Chemical Admixtures for Concrete |
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| Concrete Sealers | |
| AASHTO T259 | Resistance of Concrete to Chloride Ion Penetration |
| AASHTO T260 | Sampling and Testing for Chloride Ion in Concrete and Concrete Raw Materials |

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| Concrete Sealers (cont.) | |
| ASTM C672 | Scaling Resistance of Concrete Surfaces Exposed to Deicing Chemicals |
| ASTM C1152 | Acid-Soluble Chloride in Mortar and Concrete |
| ASTM C1218 | Water-Soluble Chloride in Mortar and Concrete |
| ASTM C1543 | Penetration of Chloride Ion into Concrete by Ponding |
| ASTM C1585 | Rate of Absorption of Water by Hydraulic-Cement Concretes |
| ASTM D6490 | Water Vapor Transmission of NonFilm Forming Treatment Used on Cementitious Panels |
| ASTM E96 | Water Vapor Transmission of Materials |
| Curing Compounds | |
| ASTM C309* | Liquid Membrane-Forming Compounds for Curing Concrete |
| ASTM C1315* | Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete |
| ASTM C156 | Water Loss [from a Mortar Specimen] Through Liquid Membrane-Forming Curing Compounds for Concrete |
| ASTM C309 | Liquid Membrane-Forming Compounds for Curing Concrete |
| ASTM D1309 | Settling Properties of Traffic Paints During Storage |
| ASTM D2369 | Volatile Content of Coatings |
| Epoxy Grouts | |
| ASTM C307 | Tensile Strength of Chemical-Resistant Mortar, Grouts, and Monolithic Surfacing |
| ASTM C531 | Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes |
| ASTM C579 | Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes |
| ASTM C580 | Flexural Strength and Modulus of Elasticity of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes |
| ASTM C884 | Thermal Compatibility Between Concrete and an Epoxy-Resin Overlay |
| ASTM C1181 | Compressive Creep of Chemical-Resistant Polymer Machinery Grouts |
| Epoxies | |
| ASTM C881 (11,12)* | Epoxy-Resin-Base Bonding Systems for Concrete |
| ASTM C882 | Bond Strength of Epoxy-Resin Systems Used with Concrete By Slant Shear |
| ASTM D570 | Water Absorption of Plastics |
| ASTM D638 | Tensile Properties of Plastics |
| ASTM D648 | Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position |
| ASTM D695 | Compressive Properties of Rigid Plastics |
| ASTM D2196 | Rheological Properties of Non-Newtonian Materials by Rotational Viscometer |
| ASTM D2240 | Rubber Property-Durometer Hardness |
| ASTM D4060 | Abrasion Resistance of Organic Coatings by the Taber Abraser |
| Exterior Coatings | |
| ASTM D412 | Vulcanized Rubber and Thermoplastic Elastomers – Tension |
| ASTM D968 | Abrasion Resistance of Organic Coatings by Falling Abrasive |
| ASTM D1653 | Water Vapor Transmission of Organic Coating Films |

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| Exterior Coatings (cont.) | |
| ASTM D2697 | Volume Nonvolatile Matter in Clear or Pigmented Coatings |
| ASTM D4541 | Pull-Off Strength of Coatings Using Portable Adhesion Testers |
| ASTM D6532 | Evaluation of the Effect of Clear Water Repellent Treatments on Water Absorption of Hydraulic Cement Mortar Specimens |
| ASTM D6578 | Determination of Graffiti Resistance |
| ASTM D6904 | Resistance to Wind-Driven Rain for Exterior Coatings Applied on Masonry |
| ASTM D7234 | Pull-Off Adhesion Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers |
| ASTM G154 | Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials |
| ASTM G155 | Operating Xeon Arc Light Apparatus for Exposure of Non-Metallic Materials |
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| Joint Sealants | |
| ASTM C920* | Standard Specification for Elastomeric Joint Sealants |
| ASTM C1184* | Structural Silicone Sealants |
| ASTM C510 | Staining and Color Change of Single- or Multicomponent Joint Sealants |
| ASTM C603 | Extrusion Rate and Application Life of Elastomeric Sealants |
| ASTM C639 | Rheological (Flow) Properties of Elastomeric Sealants |
| ASTM C661 | Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer |
| ASTM C679 | Tack-Free Time of Elastomeric Sealants |
| ASTM C719 | Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement (Hockman Cycle) |
| ASTM C792 | Effects of Heat Aging on Weight Loss, Cracking, and Chalking of Elastomeric Sealants |
| ASTM C793 | Effects of Laboratory Accelerated Weathering on Elastomeric Joint Sealants |
| ASTM C794 | Adhesion-in-Peel of Elastomeric Joint Sealants |
| ASTM C1135 | Determining Tensile Adhesion Properties of Structural Sealants |
| ASTM C1183 | Extrusion Rate of Elastomeric Sealants |
| ASTM C1246 | Effects of Heat Aging on Weight Loss, Cracking, and Chalking of Elastomeric Sealants After Cure |
| ASTM C1247 | Durability of Sealants Exposed to Continuous Immersion in Liquids |
| ASTM C1523 | Determining Modulus, Tear and Adhesion Properties of Precured Elastomeric Joint Sealants |
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| Waterproofing Materials | |
| ASTM C836* | High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course |
| ASTM C1305 | Crack Bridging Ability of Liquid-Applied Waterproofing Membrane |
| ASTM C1522 | Extensibility After Heat Aging of Cold Liquid-Applied Elastomeric Waterproofing Membranes |
| ASTM D5385 | Hydrostatic Pressure Resistance of Waterproofing Membranes |
| ASTM D6511 | Solvent Bearing Bituminous Compounds |
| CRD-C48 | Water Permeability of Concrete |
| EN/DIN 1048 | Testing of Hardened Concrete |

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| Thin Set Tile Mortar | |
| ANSI A118.4 | Test Methods and Physical Properties for Ceramic Tile Installation Materials |
| ANSI A118.10 | Load Bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation |
| ANSI A118.12 | CRACK ISOLATION MEMBRANES FOR THIN-SET CERAMIC TILE AND DIMENSION STONE INSTALLATIONS |
| ANSI A118.15 | Improved Modified Dry-Set Cement Mortar (improved modified mortar). |
| ANSI A136.1 | Organic Adhesives for Installation of Ceramic Tile. |

*Specification