



INTERNATIONAL  
ACCREDITATION  
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# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## THE BISHOP MATERIALS LABORATORY (CLEMSON UNIVERSITY)

102 CLEMSON RESEARCH BOULEVARD  
ANDERSON, SOUTH CAROLINA 29625, U.S.A.

### Testing Laboratory TL-504

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date May 27, 2025



*International Accreditation Service*  
Issued under the authority of IAS management

Visit [www.iasonline.org](http://www.iasonline.org) for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## THE BISHOP MATERIALS LABORATORY (CLEMSON UNIVERSITY)

[www.clemson.edu](http://www.clemson.edu)

**Contact Name** Kathy Hill

**Contact Phone** +1-864 656 1094

*Accredited to ISO/IEC 17025:2017*

*Effective Date May 27, 2025*

<b>Masonry</b>	
ASTM C140	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units
ASTM C279	Standard Specification for Chemical-resistant Masonry Units
<b>Stones, Bricks and Tiles</b>	
ASTM C20	Standard Test Methods for Apparent Porosity, Water Absorption, Apparent Specific Gravity, and Bulk Density of Burned Refractory Brick and Shapes by Boiling Water
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 6 Modulus of Rupture (Flexure Test)
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 7 Compressive Strength
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 8 Absorption
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 9 Freezing and Thawing Traditional Method A
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 9 Freezing and Thawing Rapid Method B
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 10 Initial Rate of Absorption (Suction) (Laboratory Test)
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 11 Efflorescence
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 12 Weight Per Unit Area
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 13 Measurement of Size
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 14 Measurement of Warpage
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 17 Measurement of Void Area in Cored Units

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ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 18 Measurement of Void Area in Deep Froged Units
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 19 Measurement of Out of Square
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 20 Measurement of Shell and Web Thickness
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 21 Breaking Load
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 22 Impervious Test (of Ceramic Glazes)
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 23 Chemical Resistance Test (of Ceramic Glazes)
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 24 Autoclaved Crazeing Test (of Ceramic Glazes)
ASTM C67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile Cl. 25 Opacity Test (of Ceramic Glazes)
ASTM C133	Standard Test Methods for Cold Crushing Strength and Modulus of Rupture of Refractories
ASTM C170	Standard Test Method for Compressive Strength of Dimension Stone
ASTM C482	Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste
ASTM C666	Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing (Method A visible spalling only as specified by PCI Specification for Embedded Clay Thin Brick)
ASTM C880	Standard Test Method for Flexural Strength of Dimension Stone
<b>Thermal Transmission</b>	
ASTM C518	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
<b>Specifications</b>	
ASTM C126	Standard Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units
ASTM C216	Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)
ASTM C652	Standard Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)
ASTM C902	Standard Specification for Pedestrian and Light Traffic Paving Brick Exclusions: Cl. 5.1.3 and 5.2 (Table 2, Column 2)
ASTM C980	Standard Specification for Industrial Chimney Lining Brick
ASTM C1088	Standard Specification for Thin Veneer Brick Units Made from Clay or Shale

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ASTM C1272	Standard Specification for Heavy Vehicular Paving Brick Exceptions: Cl. 5.1.2.1, 5.2.2, and 5.3
ASTM C1405	Standard Specification for Glazed Brick (Single Fired, Brick Units) Exceptions: Cl. 8.7.4, 10.1.1 and 10.1.2

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