



# 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 September 6, 2023



A handwritten signature in black ink, reading "Raj Nathan".

**President**

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

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*Accredited to ISO/IEC 17025:2017*

*Effective Date September 6, 2023*

<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
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 C216	Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)
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
ASTM C980	Standard Specification for Industrial Chimney Lining Brick
ASTM C1272	Standard Specification for Heavy Vehicular Paving Brick Exceptions: 8.7.4, 8.7.5, 10.1.1, 10.1.2, and 10.2
ASTM C1405	Standard Specification for Glazed Brick (Single Fired, Brick Units) Exceptions: 5.1.2.1, 5.2.2, and 5.3
<b>Thermal Transmission</b>	
ASTM C518	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus