



American Test Lab of South Florida
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TEST REPORT FOR ROOF TILE PHYSICAL PROPERTIES

Client: CERAMICA VEREA, S.A.
CIF: ESA-15158405
N-634, Km 683 - Lanza s/n
15685, Mesía (A Coruña)
Spain

Report Date: 9/9/16
ATLSF Report #: RT0621.01-16

Test Authorized by:	Irene Pereiro
Sampled by:	Client
Date of Receipt:	Delivered: 6/21/16
ATLSF Item #:	112100
Test Methods:	Standard Specification for Clay Roof Tile, ASTM C 1167-03, Section 6.2. Standard Test Method for Sampling and Testing Brick and Structural Clay Tile, ASTM C 67.9, Freezing and Thawing Only Florida Building Code, TAS 112-95, Section 7.3
Manufacturer:	CERAMICA VEREA, S.A.
Series/Model:	Clay, "S", Roof Tile- Terracotta
Imprint:	VEREA N SPAIN CE
Miami-Dade NOA #:	14-0107.02
Nominal Dimensions (in.): (l x w)	19.5 x 11.3
ASTM C 11167 Classification:	Type I- High Profile, Non-Interlocking
ATLSF -MDBCC Certification #:	16-0114.04
ATLSF -A2LA Accreditation #: (ISO/IEC 17025-05-15)	2650.01 Testing
Purpose of Test:	Self-Evaluation

Tile #	Initial Dry Tile Weight (gr.)	Final Dry Tile Weight (gr.)	Weight Loss after 50 cycles (gr.)	% Loss in Dry Weight	Maximum % Loss in Dry Weight
1	3485.4	3483.6	1.800	0.052	0.5
2	3489.0	3488.4	0.600	0.017	0.5
3	3488.6	3487.6	1.100	0.032	0.5
4	3488.1	3487.7	0.400	0.011	0.5
5	3487.7	3486.2	1.500	0.043	0.5

Visual Observations: There was no visible sign of deterioration observed after 50 cycles of freezing and thawing.

Results: Pass

The test reported in report ATLSF #: RT0621.01-16, indicates that the samples tested meet the minimum requirements for a Grade 1 provided in the test standard for classification identified.

Statement of Compliance: The Freeze Thaw test reported in report ATLSF #: RT0607.08-16, has been performed in full compliance with the requirements of ASTM C67-08, section 8, modified in accordance with ASTM C1167-03, section 6.2.1, with no deviations.

American Test Lab of South Florida, its employees, and witnessing engineers do not own, operate, or are controlled by any manufacturer and have no financial interest in the manufacture, manufacture of any related parts, specification, or installation of this or a competing product.

Technicians: J. Valle, Senior Test Technician
T. Porcello, President

End of Report.

Prepared by:



Tony Porcello, RRO
President
American Test Lab of South Florida

Reviewed by:



Stephen W. Warter, P.E.
Reg. State of Florida # 54395
American Test Lab of South Florida

