

AMBER CONSULTING COMPANY

P.O. Box 567
Pittsford, Vermont 05763
(802) 775-1650
tholson@sover.net

August 4, 2023

North American Slate.
Attn: Mindy Capecelatro
108 Scenic Ridge Drive
Brewster, NY 10509

Dear Ms. Capecelatro:

Williamsburg #99 Slate from Pizarras La Bana, Carreterra de Leon, 1, 24746 La Bana, Leon, Spain were tested per ASTM specifications. A summary of the results are as follows:

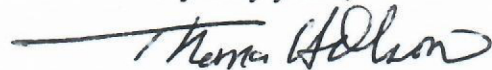
1. Water Absorption, C121-15, 0.12% (ASTM max. for S1 slate is 0.25%).
2. Flexure, C120-15, Breaking Load 693 lbs, Ave. thickness 0.27 in.
(ASTM min. for S1 slate is 575 lbs)
3. Weather Resistance, C217-15, 0.0003 in. (ASTM max. for S1 slate is 0.002 in.)

Tables 1, 2 and 3 list the individual tests. From the specimens tested, this variety of roofing slate qualifies as a S1 grade slate (75+ years projected life) per the requirements of ASTM C406-15 (Specification for Roofing Slate).

Modulus of Rupture tests were conducted on a Tinius Olsen Testing Machine calibrated February 2022. The Weather Resistance tests were conducted using the hand scraping method. Thickness measurements were taken at three (3) different locations along the scrape track. The average depth of softening was recorded.

Please let us know if we can be of further assistance.

Very truly yours,



Thomas H. Olson
Test Engineer

Enclosure: Page 2 – Results

ASTM C406-15 ROOFING SLATE TEST RESULTS

Williamsburg #99 Slate
For: North American Slate LLC
By: Amber Consulting Co.
8/ 04/ 2023

Quarry: Pizarras La Bana
Carretera de Leon, 1, 24746 La Bana,
Leon, Spain

Thomas Holcon

TABLE 1- Water Absorption (C121)

Specimen No.	Absorption (%)
NAL1A	0.11
NAL2A	0.10
NAL3A	0.12
NAL4A	0.12
NAL5A	0.14
NLA6A	0.11
Average.....	0.12% (S1 max 0.25%)

TABLE 2- Flexure Strength (C120)

Specimen No.	Breaking Load (lbs)	Thickness (in.)
NAL1R	642	0.27
NAL2R	784	0.24
NA 3R	580	0.26
NAL4R	620	0.26
NAL5R	729	0.27
NAL6R	827	0.29
NAL7R	768	0.29
NAL8R	539	0.27
NAL9R	513	0.25
NAL10R	923	0.27
Averages.....	693 lbs	0.27 in. (S1 max min 575 lbs)

TABLE 3- Weather Resistance (C217)

Specimen No.	Depth of Softening (in.)
NAL1W	0.0003
NAL2W	0.0002
NAL3W	0.0003
Average.....	0.0003 in. (S1 max 0.002 in.)