



Del Castillo Slate

Ctra de Carbonero s/n
40430 Bernardos
SEGOVIA - SPAIN



1. Product code: **DEL CASTILLO**

2. Product description:

Product: Metamorphic slate non-carbonated.

Quarry: "DEL CASTILLO", Segovia - SPAIN

3. Conform testing laboratory:

AMBER CONSULTING COMPANY

Pittsford, Vermont 05763 (USA)

4. Name and address from the quarry and/or authorized representative:

**Address: Ctra de Carbonero s/n
40430 Bernardos - Segovia – SPAIN**

Telephone: +34 647 76 35 87

e-mail: info@delcastilloslate.com

5. ASTM C406 testing of DEL CASTILLO Roofing Slate was completed on:

September 21st 2015

6. Test results:

6.1. Water Absorption, C121-09:

0.091%

6.2. Flexure (Breaking Load), C120-12:

991 lbs, thickness 0.292 in.

6.3. Weather Resistance (Depth of Softening), C217-09:

0.0002 in.

From the specimens tested, **DEL CASTILLO** Roofing Slate qualifies as a **S1 grade** (75+ year projected life) per the requirements of ASTM C406-10 (Specification for Roofing Slate).

THE US STANDARD

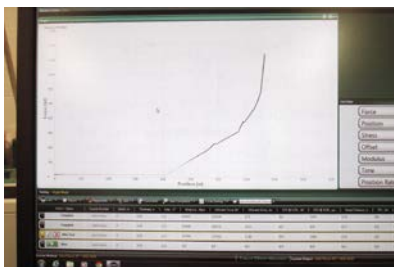
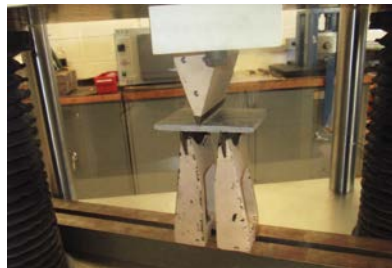
The ASTM C-406 is the only American Test existing to evaluate the quality and the life time of a roofing Slate in the USA.

Roofing Slates are classified following the norm ASTM as S1, S2 o S3. S1 being the highest level.

- S1 guarantee a life expectancy of over 75 years.
- S2 guarantee a life expectancy between 40 and 75 years.
- S3 guarantee a life expectancy between 20 and 40 years.

To confirm the result of the ASTM C-406, the laboratory will test 3 different characteristics of the Roofing Slate as follow:

- C121 Tests the Water Absorption in the slate (ASTM max. for S1 slate is 0.25%)
- C120 Tests the Fracture Strenght, the breaking point (ASTM min. For S1 slate is 575 lbs.)
- C217 Tests the Weather Resistance, the softening (ASTM max. for S1 slate is 0.002 in.)



For more information please contact us: info@delcastilloslate.com