



DECLARATION OF PERFORMANCES

Nº 49/2015/001

Identification of the product- type:

SAMACA 49 - Ultimoreo - La Baña:

Slate for discontinuous roofing and cladding

Identification elements of the product :

Available on contractual documents and packaging : quarry, selection, size, thickness.

Use and European Standard of reference:

EN 12326-1 (2004) & -2(2011): Slate and stone elements for discontinuous roofing and cladding.

Producer:

PIZARRAS GONTA, S.A. El Trigal, s/n 32337 Sobradelo de Valdeorras (OURENSE) ESPAGNE. Mail: info@pizarrasgonta.com

Authorised representative:

PIZARRAS SAMACA, S.A El Trigal, s/n 32337 Sobradelo de Valdeorras (Ourense). Mail : samaca@samaca.com

System of assessment and verification of constancy of performance (AVCP):

System 4

Declared performances:

Date of sampling: 22/10/2014		Date of testing: 23/12/2014				Harmonized technical specifications
Characteristics		Performances				
1	Dimensional tolerances					
1.1	Dimensions	According to contractual documents				
1.2	Deviation from declared length	≤ ± 5 mm				Pass
1.3	Deviation from declared width	≤ ± 5 mm				Pass
1.4	Deviation from squareness	≤ ± 1 %				Pass
1.5	Deviation from straightness of edges	≤ 5 mm or 1 % (according to applicable regulations)				Pass
1.6	Slate type for deviation from flatness	Very Smooth	Smooth	Normal	Textured	
1.7	Deviation from flatness			≤ 1,5 %		
2	Thickness	According to contractual documents				
2.1	Slate type for packed thickness calculation	Very Smooth	Smooth	Normal	Textured	
2.2	Variation of individual/ nominal thickness			+/- 35%		
3	Strength					
3.1	Characteristic MOR	Transverse	35Mpa	Longitudinal	45Mpa	Pass
3.2	Average MOR	Transverse	44Mpa	Longitudinal	58Mpa	Pass
4	Water absorption	0,29%				Pass
5	Freeze thaw	Not required				Pass
6	Thermal cycle test	T1				Pass
7	Carbonate content	0,77%				Pass
8	SO2 Exposure test	≤ 20% carbonate				Pass
9	Non-carbonate carbon content	0,27%				Pass
10	External fire performance	Deemed to satisfy				Pass
11	Reaction to fire	Deemed to satisfy class A1				Pass
12	Release of dangerous substances	None in conditions of use as roofing or external cladding				

EN 12326

Part 1: 2004

Part 2: 2011

Information given is referenced to the test data except for any typographical errors.

Declaration of performance issued by and under the responsibility of GONTA, S.A.

El Trigal, 02/03/2015

Angel Nogueira Perez, Quality manager



PIZARRAS SAMACA, S.A.

32337 EL TRIGAL - Sobradelo de Valdeorras - Ourense (España) - Tl. 988 33 55 55 - Fax 988 33 55 00 - e-mail: samaca@samaca.com - www.samaca.com

Geology	Technical Data Sheet NATURAL SLATE SAMACA 49 PRIMERA	Guarantee
B. S. 680		Sitework
Durability		Holing slate
Appearance		Specification
Health and Safety		Popular Sizes

GEOLOGY

Spain - La Baña - Ultimoreo.
Ordovician period.
Open quarry extraction.

BRITISH STANDARD 680

Meets requirements of:

Clause 6.2.1. Water Absorption.
Clause 6.2.2. Wetting and Drying.
Clause 6.2.3. Acid Immersion.

All tests are carried out at an accredited Namas testing house. Original test results are available upon request.

DURABILITY

WATER: Impermeable to water.
HEAT: Unaffected by rapid hot and cold cycles.
SUNLIGHT: Unfading in UV light.
CHEMICAL: Resistant to air pollution.
BIOLOGICAL: Immune to biological degradation.
LIFE SPAN: Expected to exceed the life of the building.
FIRE: Non-combustible.

APPEARANCE

Black, with slightly rough texture, 6/8 mm. Dressed edge, rectangular shape, but other shapes available on request.

HEALTH & SAFETY

Please refer to Samaca Fixing Methods, page 43.

GUARANTEE

Samaca slate is expected to exceed the life of the building. A formal quarry guarantee is given for all prime quality slate for a thirty year period. This is considered sufficient for all legal & contractual purposes.

SITework

In accordance with B. S. 8000 (Workmanship on site) and manufacturers recommendations. Please contact Samaca for comprehensive details but salient points are:

- keep slate stored in pallets whenever possible, no more than two pallets high. Loose slates should be stacked on their long edge on dry ground over two rows of battens.
- sort and grade the slate into three or four thickness.
- hole slate on the back face. This forms a countersunk hole on the top face of the slate which allows the head of the slate nail to finish flush with the surface of the slate.
- mark (perp) out the roof accurately to maintain the lap and bond.
- lay thicker slates at eaves decreasing in thickness towards the top of the roof.
- only use felt and nails which conforms with B.S.
- for hook fixing it is recommended to use 18/10 stainless steel or a superior quality.

HOLING SLATE

A quarry holing service is available at competitive prices.

SPECIFICATION

Samaca will prepare a specification upon request to ensure that the most suitable headlap and size of slate is used. A considerable saving in cost can be achieved by the use of the correct lap and slate.

SIZE	* WEIGHT PER SQ/M (kilos)	SLATE QTY. PER SQ/M (75mm lap)
600 x 300	45,15	12,58
500 x 250	46,93	18,82
450 x 220	47,88	24,24
400 x 220	48,28	27,50
400 x 200	49,11	30,77
350 x 200	50,78	36,36

* Slate thickness 6/8 mm.





Cyswilt • Contact

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En cyf • Our ref

Eich cyf • Your ref

Dyddiad • Date

e-bost • e-mail

Mr. Aled Sturkey

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AS/JO

12 August, 2008

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National Park Officer

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Mr Aled Williams,
SAMACA UK,
2A, Rutherford Court,
STAFFORD,
ST18 0AR.

Dear Mr Williams,

Samaca C28 and C49 Slates

I refer to your request that the above slates be approved for use within the area of Snowdonia National Park.

I have read the report prepared by Dr David Jenkins which concludes that the samples submitted are generally similar to those produced from the Blaenau Ffestiniog area.

I therefore agree that the Samaca C28 and C49 satisfy the criteria set out in Policy TA11 of the Eryri Local Plan and can be specified for use within the area of Snowdonia National Park.

Yours sincerely,

Aled Sturkey,
Director of Planning and Cultural Heritage.

Copy: A. Lloyd, Head of Development Control and Compliance, SNPA



PAPUR WEDI BLAILGYLCHU'N GYFRAN
GWBL O WASTRAFF DEFYEDDWR
RECYCLED PAPER MADE FROM 100%
POST-CONSUMER WASTE

Aelod o Gymdeithas Awdurdodau y Parciau Cenedlaethol
Member of the Association of National Park Authorities

Aelod o **EUROPARC** Member



BUDDSODDWR MERA POBL
INVESTOR IN PEOPLE