

Roofslates .com
Boodle Street
Ashton-Under-Lyne
Lancashire
OL6 8NF

Date: 05 July 2023
Test Report Ref: TR 955116

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Contract: Slate Testing

LABORATORY TEST REPORT

TEST REQUIREMENTS: Determination of Water Absorption of slate and stone products for discontinuous roofing and cladding in accordance with **BS EN 12326-2: 2011 Clause 11**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S110778
Client Ref. No:	Windsor Grade 1
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	19/05/2023
Date of Start of Test:	12/06/2023
Sampling Location:	Unknown
Name of Source:	Slate Quarry China
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	AR

Results:

Test Results:			Requirements of BS EN 12326-1: 2014		
Specimen No.	Thickness (mm)	Water absorption (%)	Code	Water absorption (%)	
1	7.400	0.27	A1	< 0.6%	Freeze thaw resistance test required
2	7.980	0.26			
3	7.030	0.24	A2	> 0.6%	
4	7.100	0.24			
5	6.300	0.26			
Mean	7mm	0.25%			
Code		A1			

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

<p><u>Comments:</u> The Sample complies with code A1 in accordance with specification BS EN 12326-1: 2014.</p>	<p>Report checked and approved by:</p> <div style="text-align: center;"> Aled Roberts Concrete Team Manager </div>
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Roofslates .com
 Boodle Street
 Ashton-Under-Lyne
 Lancashire
 OL6 8NF

Date: 29 July 2023
 Test Report Ref: TR 955118

Contract: Slate Testing

LABORATORY TEST REPORT

TEST REQUIREMENTS: Sulfur dioxide exposure for slates with a calcium carbonate content less than 20% in accordance with **BS EN 12326-2: 2011 Clause 14.1**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S110778
Client Ref. No:	Windsor Grade 1
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	19/05/2023
Date of Start of Test:	20/06/2023
Sampling Location:	Unknown
Name of Source:	Slate Quarry China
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	PJ
Size and Description:	600 x 300mm Roofing Slate

Results:

Test Results:	Requirements of BS EN 12326-1: 2014		
Effect of exposure to sulfur dioxide Solution A:	Code	Sulfur dioxide solution	Acceptance criteria
No effect	S1	A	Shall show NO signs of splitting or cracking of the edges and swelling softening or surface flaking.
Colour change after exposure to sulfur dioxide:	S2	B	
None	S3	B	If any one or more test piece show signs of splitting or cracking of the edges and swelling, softening or surface flaking.
Code: S1			

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These results relate only to the items tested.

<p>Comments:</p> <ol style="list-style-type: none"> 1. The sample complies with Code: S1 in accordance with specification BS EN 12326-1: 2014 2. Colour change is reported as information and is not used to determine code. 	<p>Report checked and approved by:</p> <div style="text-align: center;"> Stephen Williams Lab Supervisor </div>
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Roofslates .com
 Boodle Street
 Ashton-Under-Lyne
 Lancashire
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Date: 12 July 2023
 Test Report Ref: TR 955119

Contract: Slate Testing

LABORATORY TEST REPORT

TEST REQUIREMENTS:

Thermal cycle test for slate and stone products for discontinuous roofing and cladding in accordance with **BS EN 12326-2: 2011 Clause 15**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S110778
Client Ref. No:	Windsor Grade 1
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	19/05/2023
Date of Start of Test:	13/06/2023
Sampling Location:	Unknown
Name of Source:	Slate Quarry China
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	AR
Material Description:	Windsor Grade 1 Natural Roofing Slate

Results:

Test Results:	Requirements of BS EN 12326-1: 2014	
Effect of Thermal Cycle Test:	Code	Observation in test
No Changes in appearance.	T1	No Changes in appearance.
		Surface oxidation of metallic minerals.
		Colour changes that neither affect the structure nor form runs of discoloration.
	T2	Oxidation or appearance changes of the metallic inclusions with runs of discoloration but without structural changes.
	T3	Oxidation or appearance changes of metallic minerals that penetrate the slate and risk forming holes.
		It shall not be acceptable for slates to exhibit exfoliation, splitting or other major structural changes.
Code: T1	No changes in appearance.	

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These results relate only to the items tested.

<p><u>Comments:</u> The sample complies with Code: T1 in accordance with the specification BS EN 12326-1: 2014.</p>	<p>Report checked and approved by:</p> <div style="text-align: center;"> Stephen Williams Lab Supervisor </div>
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