

Lagan Breedon House
Rosemount Business Park
Ballycoolin Road
Dublin
D11 K2TP

Date: 20 December 2019
Test Report Ref: TR 709041

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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: **S84755**
Client Ref. No: **VALDEROS**
Date and Time of Sampling: **Unknown**
Date of Receipt at Lab: **21/11/2019**
Date of Start of Test: **22/11/2019**
Sampling Location: **Unknown**
Name of Source: **Lagan**
Method of Sampling: **Unknown**
Sampled By: **Client**
Tested By: **Paul Jones**
Material Description: **Roofing Slate**
Size and Description: **VALDEROS (5mm)**

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 with 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.	

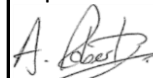
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These results relate only to the items tested.

Comments:

The sample complies with Code: T1 in accordance with the specification BS EN 12326-1: 2014.

Report checked and approved by:



Aled Roberts
Concrete Team Manager