

DECLARATION OF PERFORMANCE 17/017 (EN 12326-1:2014)

	Product: Supplier: Location of quarry: Date of Sampling: Date of Testing:	Benusa Blue Natural Slate ARC Roofing Supplies, 1a First Avenue, Ashton on Ribble, PR2 1JQ La Bana, Northwest Spain 31/08/2017 31/08/2017				
Characteristics		Performance				Conformity
1	Dimensional Tolerances					
1.1	Format:	According to contract				Pass
1.2	Deviation from declared length:	<± 5mm				Pass
1.3	Deviation from declared width:	<± 5mm				Pass
1.4	Deviation from declared squareness:	<± 1%				Pass
1.5	Deviation from straightness of edges:	<5mm or 1%				Pass
1.6	Slate type for deviation of flatness:	Very Smooth	Smooth	Normal	Textured	
1.7	Deviation from flatness:			<1.5%		
2	Thickness:					
	Slate type for packed thickness calculation: Nominal thickness and variation:	Very Smooth	Smooth	Normal	Textured	
				± 35%		
3	Strength: Characteristic MoR:	Transverse	58.5Mpa	Longitudinal	53.6Mpa	Pass
4	Water absorption:	W1 (0.39%)				Pass
5	Freeze thaw:	Not required				Pass
6	Thermal cycle test:	T1				Pass
7	Apparent calcium carbonate content:	0.30%				Pass
8	Sulfur dioxide exposure tests:	<20% carbonate		S1		Pass
9	Non carbonate carbon content:	0.40%				Pass
10	External fire exposure:	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				Pass