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DECLARATION OF PERFORMANCE UK

MANUFACTURER:	Fernando Almeida & Filhos, Lda	TRADEMARK:	FAFSTONE
HEADQUARTERS:	Rua Barca da Seara, n.º 668, Magrelos, Marco de Canaveses		
Assessment and Verification of Performance		Product	
System 4		Granite Blue Alpendurada	

PRODUCT IDENTIFICATION PRODUCT		LAJ	PAR	GUI	BL/PCMUR/PCESP	DGR/PCESP
INTENDED USE		Slabs for external paving	Setts for external paving	Kerbs for external paving	Plates for walls without anchoring	Plates for floors and steps
DESIGNATED STANDARDS		EN 1341:2012	EN 1342:2012	EN 1343:2012	EN 1469:2015	EN 12058:2015
CHARACTERISTICS TO BE DECLARED		DECLARED PERFORMANCE				
Petrographic Description	Macroscopic Description	Medium-grained granite, two mica, with a slight tendency porphyritic and light gray colour, slightly bluish.				
	Microscopic Description	Hypidiomorphic granular texture. This is a two mica monzogranite with almost identical proportions of muscovite and biotite				
Flexural Strength:	Medium Value	21 MPa			21 MPa	
	Minimum expected Value	17 MPa			17 MPa	
	Standard-Deviation	2 MPa			2 MPa	
Freeze/thaw resistance (Flexural Strength) (56 cycles)		16,3 MPa			16,3 MPa	
Slip Resistance	Dry Conditions	78 SRV				78 SRV
	Humid Conditions	53 SRV				53 SRV
Resistance to abrasion		17 mm				17 mm
Compressive Strength	Medium Value		136 MPa			
	Minimum expected Value		90 MPa			
	Standard-Deviation		28 MPa			
Freeze/thaw resistance (Compressive Strength) (56 cycles)			180 MPa			
Reaction to fire					Class A1	
Resistance to fixing					NPD	NPD
Thermal Resistance					0,01%	
Water Vapor Permeability					NPD	
Bulk Density					2650 Kg/m ³	
Water absorption at atmospheric pressure					0,2 % (PTN)	
Capillary Water Absorption (NPD because Open Porosity <1%)					NPD	NPD
Open Porosity					0,6%	
Tactility						NPD

NPD – No Performance Determined – Requirement for which tests were not performed, for it is not required.

The performance of the above-identified product complies the set of declared performances. This declaration of performance is issued in accordance with Regulation (UE) N° 305/2011, as it has effect in the United Kingdom, under the sole responsibility of the manufacturer identified above.

Catarina Martins, Eng.ª

Marco de Canaveses, 09th of September 2021