

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
INTENDED USE		Slabs for external paving	Setts for external paving	Kerbs for external paving	Plates for walls without anchoring
DESIGNATED STANDARDS		EN 1341:2012	EN 1342:2012 CLASS 0	EN 1343:2012	EN 1469:2015
CHARACTERISTICS TO BE DECLARED		DECLARED PERFORMANCE			
Petrographic Description	Macroscopic Description	Leucocratic Rock, with a gray tone, containing scattered dark nodules and silver platelets. Holocrystalline and massive sample with granular, phaneritic, fine- and medium-grained texture with some centimeter-sized phenocrysts, without orientation. No lineations, fissures, pores or cavities, as well as any type of apparent alteration. No orientation, foliation, schistosity or apparent tectonic deformation.			
	Microscopic Description	Acidic rock of intrusive igneous origin, from the granitoid group, composed of non-equidimensional grains of quartz, feldspars and micas. Holocrystalline, phaneritic, non-equigranular, medium to coarse grained texture, with some phenocrysts, hypidiomorphic tendency. Does not provide guidance.			
Flexural Strength:	Medium Value	10.2 MPa		10.2 MPa	
	Minimum expected Value	8 MPa		8 MPa	
	Standard-Deviation	1.1 MPa		1.1 MPa	
Freeze/thaw resistance (Flexural Strength) (56 cycles)		9.8 MPa		9.8 MPa	
Slip Resistance	Dry Conditions	70 USRV			70 USRV
	Humid Conditions	64 USRV			64 USRV
Resistance to abrasion		17 mm			17 mm
Compressive Strength	Medium Value		182 MPa		
	Minimum expected Value		156 MPa		
	Standard-Deviation		13 MPa		
Freeze/thaw resistance (Compressive Strength) (56 cycles)			182/171 MPa		
Reaction to fire					Class A1
Resistance to fixing					NPD
Thermal Resistance					Δp – Open Porosity Variation: -0.6% Δv – Ultrasonic Pulse Velocity variation: -3.2% ΔF – Flexural Resistance Variation: -1.5%
Water Vapor Permeability					NPD
Bulk Density					2660 Kg/m ³
Water absorption at atmospheric pressure					0,2 % (PTN)
Capillary Water Absorption (NPD because Open Porosity <1%)					NPD
Open Porosity					0,5%
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, 03th of October 2023

DOP - DD001_R02