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DECLARATION OF PERFORMANCE CE

MANUFACTURER:		Fernando Almeida & Filhos, Lda		TRADEMARK:		FAFSTONE	
HEADQUARTERS:		Rua Barca da Seara, n.º 668, Magrelos, Marco de Canaveses					
Evaluation of Regularity of Performance System				Product			
System 4				Granite Blue Pedras Salgadas			
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	
HARMONIZED STANDARDS		EN 1341:2012	EN 1342:2012 CLASS 0	EN 1343:2012	EN 1469:2015	EN 12058:2015	
CHARACTERISTICS TO BE DECLARED		DECLARED PERFORMANCE					
Petrographic Description	Macroscopic Description	Leucocratic Rock, with a light gray tone, containing scattered dark nodules. Holocrystalline and massive sample. Granular, phaneritic and fine to coarse grained texture with some centimetric phenocrysts, without orientation. No lineations, fissures, pores or cavities. No apparent change. No orientation, foliation, schistosity or apparent tectonic deformation.					
	Microscopic Description	Acidic rock of intrusive igneous origin, from the granitoid group, composed fundamentally 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 Resistance:	Medium Value	13.8 MPa			13.8 MPa		
	Minimum expected Value	10.6 MPa			10.6 MPa		
	Standard-Deviation	1.6 MPa			1.6 MPa		
Flexural Resistance (after ice/defrost test) (56 Cycles)		16,5 MPa			16,5 MPa		
Slip Resistance	Dry Conditions	70 USRV					70 USRV
	Humid Conditions	57 USRV					57 USRV
Resistance to abrasion		17 mm					17 mm
Compressive Resistance	Medium Value		168 MPa				
	Minimum expected Value		130 MPa				
	Standard-Deviation		19 MPa				
Compressive Resistance (after ice/defrost test) (56 Cycles)			168/166 MPa				
Fire Performance					Classe A1		
Resistance Anchors					DND		
Thermal Shock Resistance					Δp – Open Porosity Variation: 3.1% Δv – Ultrasonic Pulse Velocity variation: -2.2% ΔF – Flexural Resistance Variation: -32.5%		
Water Vapor Permeability					DND		
Bulk Density					2620 Kg/m ³		
Water absorption at atmospheric pressure					0,3 % (PTN)		
Capillary Water Absorption (DND are Open Porosity <1%)					DND		
Open Porosity					0,9 %		
Tactility							DND

DND – 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, under the sole responsibility of the manufacturer identified above.

Catarina Martins, Eng.^a
Marco de Canaveses, 03 of October of 2023