

## DECLARATION OF PERFORMANCE UK

<b>MANUFACTURER:</b>		Fernando Almeida & Filhos, Lda		<b>TRADEMARK:</b>		FAFSTONE	
<b>HEADQUARTERS:</b>		Rua Barca da Seara, n.º 668, Magrelos, Marco de Canaveses					
<b>Assessment and Verification of Performance</b>				<b>Product</b>			
System 4				Granite Blue Pedras Salgadas			
<b>PRODUCT IDENTIFICATION PRODUCT</b>		<b>LAJ</b>	<b>PAR</b>	<b>GUI</b>	<b>BL/PCMUR/ PCESP</b>	<b>DGR/ PCESP</b>	
<b>INTENDED USE</b>		Slabs for external paving	Setts for external paving	Kerbs for external paving	Plates for walls without anchoring	Plates for floors and steps	
<b>DESIGNATED STANDARDS</b>		EN 1341:2012	EN 1342:2012 CLASS 0	EN 1343:2012	EN 1469:2015	EN 12058:2015	
<b>CHARACTERISTICS TO BE DECLARED</b>		<b>DECLARED PERFORMANCE</b>					
<b>Petrographic Description</b>	<b>Macroscopic Description</b>	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.					
	<b>Microscopic Description</b>	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.					
<b>Flexural Strength:</b>	<b>Medium Value</b>	13.8 MPa		13.8 MPa			
	<b>Minimum expected Value</b>	10.6 MPa		10.6 MPa			
	<b>Standard-Deviation</b>	1.6 MPa		1.6 MPa			
<b>Freeze/thaw resistance (Flexural Strength) (56 cycles)</b>		11.8 MPa		11.8 MPa			
<b>Slip Resistance</b>	<b>Dry Conditions</b>	70 USRV		--	--	70 USRV	
	<b>Humid Conditions</b>	57 USRV				57 USRV	
<b>Resistance to abrasion</b>		17 mm				17 mm	
<b>Compressive Strength</b>	<b>Medium Value</b>		168 MPa				
	<b>Minimum expected Value</b>		130 MPa				
	<b>Standard-Deviation</b>		19 MPa				
<b>Freeze/thaw resistance (Compressive Strength) (56 cycles)</b>			168/166 MPa				
<b>Reaction to fire</b>					Class A1		
<b>Resistance to fixing</b>					NPD		
<b>Thermal Resistance</b>					$\Delta\rho$ – Open Porosity Variation: 3.1% $\Delta v$ – Ultrasonic Pulse Velocity variation: -2.2% $\Delta F$ – Flexural Resistance Variation: -32.5%		
<b>Water Vapor Permeability</b>					NPD		
<b>Bulk Density</b>					2620 Kg/m³		
<b>Water absorption at atmospheric pressure</b>		0,3 % (PTN)					
<b>Capillary Water Absorption (NPD because Open Porosity &lt;1%)</b>					NPD		
<b>Open Porosity</b>					0.9 %		
<b>Tactility</b>						NPD	

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, 03th of October 2023