

DECLARATION OF PERFORMANCE N°01

under the CPR 305/2011

1. *Unique identification code of the product-type:*

n°0A - Slabs and modular tiles of natural stone

2. *Identification of the construction product:*

- commercial designation: **Porfido Vallecamonica**

- petrographic designation: **Riolite**

- place of origin: **Lombardia – Italia**

3. *Intended use:*

paving and cladding internal / external

4. *Name of the manufacturer:*

- registered trade name: **PORFIDO F.LLI PEDRETTI SpA**

- contact address: **Via Manzoni n°160**
25040 ESINE (BS)

- e-mail: info@porfidopedretti.com

5. *Authorised representative:*

not relevant

6. *System of assessment and verification of constancy of performance (as set out in Annex V of CPR 305/2011):*

System 4

7. *Name and identification number of the notified body:*

not relevant

8. *Name and identification number of the Technical Assessment Body:*

not relevant



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s.p.a.

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CE	15	<i>Harmonised standard</i>	EN 1469:2014, EN 12057:2014, EN 12058:2014		
		<i>Product (DoP 01):</i>	Slabs and modular tiles of natural stone		
		<i>Intended use:</i>	Paving and cladding internal / external		
		<i>Denomination:</i>	<i>EN 12440:</i>	Porfido Monumentale	
			<i>Commercial:</i>	Porfido Vallecamonica	
			<i>Petrological:</i>	Riolite	
<i>Place of origin:</i>	Lombardia - Italia				
PORFIDO F.LLI PEDRETTI SpA - Via Manzoni n°160 25040 ESINE (BS)					
<i>Characteristics</i>		<i>Declares value</i>		<i>Test method</i>	
Reaction to fire		Class A1		96/603 CE	
Flexural strength	lower expected value	25,3 Mpa		EN 12372:2006	
	mean value	30,5 Mpa			
	standard deviation	2,7 Mpa			
Durability of flexural strength	value later 56 frost cycles	30,2 Mpa		EN 12372:2006	
	value later 20 thermal cycles	27,0 Mpa		EN 12371:2010	
Thermal resistance	mean value	2667 kg/mc		EN 1936:2006	
Apparent density					
Water absorption	maximum value	0,2%		EN 13755:2008	

9. Declared performance:

Characteristics		Declares value	Harmonised standard
Reaction to fire		Class A1	EN 1469:2014 EN 12057:2014 EN 12058:2014
Flexural strength	lower expected value	25,3 Mpa	
	mean value	30,5 Mpa	
	standard deviation	2,7 Mpa	
Durability of flexural strength	value later 56 frost cycles	30,2 Mpa	
	value later 20 thermal cycles	27,0 Mpa	
Thermal resistance	mean value	2667 kg/mc	
Apparent density			
Water absorption	maximum value	0,2%	

Additional information for the intended use:

Characteristics		Performance		Test method	
Sound insulation	design value	2500-2700 kg/mc		EN 10456:2007	
Thermal conductivity	design value	2,8 W/(m · K)			
Abrasion resistance	maximum value	17,3 mm		EN 14157:2004	
Thermal shock - change in mass (20 cycles)		-0,06%		EN 14066:2003	
Release hazardous substances	Radioactivity	Not relevant		-	
	Other substances	Not relevant		-	
Chemical resistance		Not relevant		EN 10545-13:1997	
Slip resistance	polished surface	SRV dry	63	EN 14231:2003	
		SRV wet	21		
	smoothed surface 120	SRV dry	65		
		SRV wet	30		
	sawn surface	SRV dry	75		
		SRV wet	61		
	Raw surface, roughness > 1 mm		not slippery		EN 12058:2005
	flamed surface	shod feet	cl. R12 (33°)	DIN 51130 DIN 51097	
	flamed+brushed surface	barefoot	cl. B (23°)		
	grit+brushed surface	shod feet	cl. R10 (14°)		
smoothed surface 180	shod feet	cl. R9 (6°)			
smoothed surface 120	COF dry	0,43	BCRA CEC 6/81 (DM 236/89)		
	COF wet	0,67			

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Ettore Pedretti (President)

Esine, 12/01/2016

