



Year: 2018

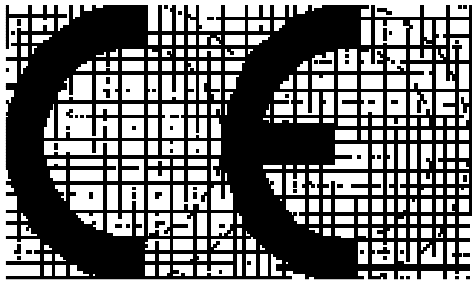
Natural stone slabs for outside flooring UNI EN 1341:2003
 Internal and external cladding slabs UNI EN 1469:2005
 Natural stone cladding tiles UNI EN 12057:2005
 Internal and external slabs for flooring and stairs UNI EN 12058:2005

PIETRA DEL MARE

GRASSI PIETRE S.R.L. - Via Madonnetta, 2 - 36024 Nanto (VI)

Charachteristics	Declared value (middle value)	Test method
Petrographic description	Biosparrudite	UNI EN 12407:2007
Reaction to fire	A1 Class	No test (see decicion 96/603/CE and flwing change)
Flexural strength (Th : 40 mm)	7,1 MPa (Th : 40 mm)	UNI EN 12372:2007
Uniaxial compression strength	48,0 MPa (Mid value)	UNI EN 1926:2007
Frost resistance through modification of compression strength	Uniaxial compression strength variation (after 56 cycles -12°C/+20°C): 7,6 MPa (+7%)	UNI EN 12371:2010
Water absorption	7,4 %	UNI EN 13755:2008
Apparent volumic mass	2170 kg/m ³	UNI EN 1936:2007
Abrasion resistance (Method A)	28,5 mm	UNI EN 14157:2005
Slip resistance (SRV) Finishing: only sawn	75 (wet)	UNI EN 1341:2003
Slip resistance (SRV) Finishing : honed not sealed Finishing: honed sealed * Finishing: Brushed not sealed Finishing: Brushed sealed *	58 (dry) 65 (wet) 63 (dry) 50 (wet) 57 (dry) 55 (wet) 52 (dry) 36 (wet)	UNI EN 14231:2004
Open porosity	13,4%	UNI EN 1936:2007

*: Sealant by FILA, waterbased sealant + 1 hand of wax



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PIETRA DEL MARE

GRASSI PIETRE S.R.L. - Via Madonnetta, 2 - 36024 Nanto (VI)

Charachteristics	Declared value (middle value)	Test method
Breaking load on anchoring holes : pin diam : 6 mm		UNI EN 13364:2003
Thikness: 30 mm (cross cut)	983 N (middle value)	
Thikness: 30 mm (vein cut)	933 N (middle value)	
Thikness: 40 mm (cross cut)	1700 N (middle value)	
Thikness: 40 mm (vein cut)	1683 N (middle value)	
Breaking load on anchoring holes : Kerf 7 mm		UNI EN 13364:2003
Thikness: 30 mm (cross cut)	522 N (middle value)	
Thikness: 30 mm (vein cut)	579 N (middle value)	
Thikness: 40 mm (cross cut)	1071 N (middle value)	
Thikness: 40 mm (vein cut)	1039 N (middle value)	
Resistance to thermal shock :	- 3,9 %	UNI EN 14066:2013
Flexural strength after thermal shock	Flexural strength variation (after 20 cycles +20°C/+70°C): 7,8 MPa (+9 %)	UNI EN 12372:2007

Tested by: **ECAM - RI.CERT. Spa** – Monte di Malo (VI)