

Year: 2018

Calcareous agglomerate cement based

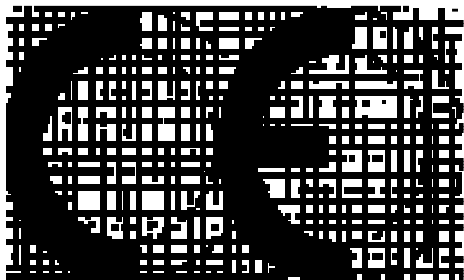
TESTS - ITT - UNI EN 15285:2008

## PIETRANOVA GRIGIA (GRAY)

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

Characteristics	Declared value (mid value)	Test method
Material description	Agglomerate cement based	No test
Reaction to fire	A1 Class	UNI EN 13501-1
Flexural strength ( Th : 30 mm)	6,6 MPa (Mid value)	UNI EN 14617-2
Uniaxial compression strength	34 MPa (Mid value)	UNI EN 14617-15
Frost resistance through modification of flexural strength	Flexural strength variation (after 25 cycles -12°C/+20°C): 6,0 MPa ( - 9 %)	UNI EN 14617-5
Water absorption	9,8 %	UNI EN 14617-1
Apparent volumic mass	2027 kg/mc	UNI EN 14617-1
Abrasion resistance ( "A" method)	25 mm	UNI EN 14157
Slip resistance (SRV) Finishing: only sawn	73 (dry) 65 (wet)	UNI EN 14231
Slip resistance (SRV) Finishing : honed and sealed*  Finishing: Brushed and sealed *	69 (dry) 52 (wet)  62 (dry) 39 (wet)	UNI EN 14231

\* Sealant by FILA waterbased sealant + 1 hand of wax



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Characteristics	Declared value (mid value )	Test method
Breaking load on anchoring holes : pin diam. 6 mm Th 30 mm	7 8 1 N (mid value )	UNI EN 14617-8
Breaking load on anchoring holes : Kerf 7 mm Th : 30 mm	6 5 4 N (mid value )	UNI EN 14617-8
Resistance to thermal shock	-1 %	UNI EN 14617-6
Flexural strength after thermal shock	Flexural strength variation (after 20 cycles +20°C/+70°C): 6,1 MPa ( - 8 %)	UNI EN 14617-2
Impact resistance	6,8 L (J)	UNI EN 14617-9
Static modulus of elasticity average (Eb)	0,014 MPa	UNI EN 14580
Coefficient of linear thermal expansion $\alpha$	$2,8 \times 10^{-6}$	UNI EN 14617-11
Thermal Conductivity	1,3 W/(mK)	UNI EN 15285

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



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Characteristics	Declared value (mid value)	Test method
Determination of Chemical Resistance: Attack with sodium hypochloride solution (20mg/l, 5% W7V) like p.5.2 pool salts  Surface: treated	Class A	UNI EN ISO 10545-13:2017 p. 5.2
Determination of the R coefficient  Finishing:Honed  sliding angle < 1°	Not classifiable	DIN 51130
Determination of the R coefficient  Finishing:Brushed  sliding angle =14,6°	R10	DIN 51130
Determination of the R coefficient  Finishing:Calibrated  sliding angle =11°	R10	DIN 51130
Determination of the R coefficient  Finishing:Bushhammered+brushed  sliding angle =33°	R12	DIN 51130
Determination of the R coefficient  Finishing:Bushhammered  sliding angle =11°	R13	DIN 51130

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