

Year: 2018

Calcareous agglomerate cement based

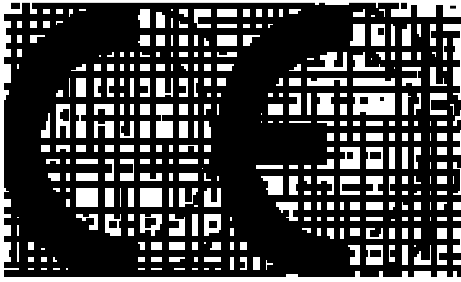
TESTS - ITT - UNI EN 15285:2008

PIETRANOVA GIALLA (YELLOW)

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)	9,0 MPa (Mid value)	UNI EN 14617-2
Uniaxial compression strength	80 MPa (Mid value)	UNI EN 14617-15
Frost resistance through modification of flexural strength	Flexural strength variation (after 25 cycles -12°C/+20°C): 9,1 MPa (+ 1,1 %)	UNI EN 14617-5
Water absorption	6,5 %	UNI EN 14617-1
Apparent volumic mass	2206 kg/mc	UNI EN 14617-1
Abrasion resistance "A" method	23 mm	UNI EN 14157
Slip resistance (SRV) Finishing: only sawn	72 (dry) 71 (wet)	UNI EN 14231
Slip resistance (SRV) Finishing : honed and sealed* Finishing: Brushed and sealed *	64 (dry) 55 (wet) 61 (dry) 36 (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	938 N (mid value)	UNI EN 14617-8
Breaking load on anchoring holes : Kerf 7 mm Th. : 30 mm	701 N (mid value)	UNI EN 14617-8
Resistance to thermal shock	-0,9 %	UNI EN 14617-6
Flexural strength after thermal shock	Flexural strength variation (after 20 cycles +20°C/+70°C): 8,8 MPa (-2,2 %)	UNI EN 14617-2
Impact resistance	3,9 L (J)	UNI EN 14617-9
Static modulus of elasticity average (Eb)	0,013 MPa	UNI EN 14580
Coefficient of linear thermal expansion α	$3,7 \times 10^{-6}$	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
Flexural strength Finishing: only sawn	6,9 Mpa (th.40mm)	ASTM C880/880M-15
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)