

DECLARATION OF PERFORMANCE
No 001GF2016DOP

EN

1. Unique identification code of the product-type:
Dry-pressed ceramic tiles, with water adsorption Eb ≤ 0,5%
2. Intended use/es:
For internal and external walls and flooring
3. Manufacturer:
GranitiFiandre S.p.A.
Via Radici Nord, 112 42014 Castellarano(RE) – Italy www.irisfmg.com
4. Authorised representative:
Not Applicable
5. System/s of AVCP:
System 4
- 6 Harmonised standard:
EN 14411:2016
7. Declared performance/s:

Essential characteristics	Performance
Reaction to fire	Class A1 _{FL} /A1
Release of dangerous substance, for: - Cadmium - Lead	NPD NPD
Breaking strenght	Thickness < 7,5 mm : ≥ 700 N Thickness ≥ 7,5 mm : ≥ 1300 N
Slipperiness	See catalog
Bond strength / adhesion	NPD
Tactility	NPD
Thermal shock resistance	Pass
Durability for: • Internal use • External use: freeze-thaw resistance	Pass Pass

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Christian Baccarani
Manager Quality Dept.

Castellarano, October 11, 2016

Divisione FMG

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GranitiFiandre S.p.A.

Via Radici Nord, 112 • 42014 Castellarano • Reggio Emilia • Italy • EU
Capitale Sociale € 27.253.397 i.v. • Cod. Fiscale e R.I. di RE n. 03056540374
R.E.A. n. 151772 • Mecc. RE 006481 • Cod. CEE IT01411010356 • Partita IVA 01411010356



Product Data Sheet

Porcelain Stoneware Slabs – UGL – Group Bla according to EN 14411 Encl. G/ISO13006 Encl. G



Collection: MAXFINE Black Marquinia 300x150 Sur. Silky – Th.6mm

Porcelain stoneware classifiable, according to standard EN14411, as group Bla.

Frost-proof slabs that resists chemical attacks, achieved through dry-forming of high-quality bodies made up of natural raw materials (kaolin minerals, feldspars), atomised, mixed. The slabs are made mechanically resistant through a sintering process at very high temperatures.

The maintenance of aforesaid features must be ensured by the Quality Control System implemented by the company in accordance with standard **UNI-EN ISO 9001:2015**.

Slabs of Fabbrica Marmi e Graniti, with a low environmental impact, obtained by pursuing policies of continuous improvement aimed at reducing the wastes of non-renewable resources by using raw materials often found in nature, through the adoption of an Environmental Management System certified in accordance with standard **UNI-EN ISO 14001:2015** and/or registration to the “ECO-MANAGEMENT” Community system, in accordance with the provisions of **CE 1221/2009 EMAS** Regulations.

The slabs have been checked and evaluated by Bureau Veritas which certifies their compliance to the **LEED_BREEAM** provisions.

THE RESULTS REPORTED RELATE TO AVERAGE PRODUCTION VALUES

Product Data Sheet

**Collection: MAXFINE
Black Marquinia
300x150
Sur. Silky – Th.6mm**

PHYSICAL PROPERTIES	TEST METHOD	Required Standards according to ISO 13006 Encl. G	Average values of production
Water absorption	ISO 10545-3	≤ 0,5 %	≤ 0,1%
Length and Width	ISO 10545-2	± 0,6 %	±0,1%
Thickness		± 5 %	± 5 %
Linearity		± 0,5 %	±0,1%
Wedging		± 0,6 %	±0,1%
Surface flatness		± 0,5 %	±0,2%
Modulus of rupture (R)		ISO 10545-4	≥ 35 N/mm ²
Resistance to deep abrasion	ISO 10545-6	Max 175 mm ³	142 mm ³
Coefficient of linear thermal expansion	ISO 10545-8	≤ 9 x10 ⁻⁶ K ⁻¹	6,5 x10 ⁻⁶ K ⁻¹
Thermal shock resistance	ISO 10545-9	Test method available	Resistant
Frost resistance	ISO 10545-12	Requested	Compliant
Chemical resistance**	ISO 10545-13	Min Class B	Compliant
Stain resistance	ISO 10545-14	Test method available	Compliant
Reaction to fire	Decision 96/603 CE	Test absent	Class A1 – A1FL
Color resistance to light	DIN 51094	Test method available	Unaffected

(**) With the exception of HYDROFLUORIC acid (HF) or its derivatives and compounds.

15th February 2018

Divisione FMG

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CARATTERISTICHE TECNICHE

TECHNICAL FEATURES. CARACTERISTIQUES TECHNIQUES. TECHNISCHE EIGENSCHAFTEN

IDONEITÀ ADESIVI PER LA POSA DI LASTRE MXF A BASSO SPESSORE

PRODOTTO Product	LATTICE Latex	CLASSIFICAZIONE Classification	INTERNO - INDOORS						ESTERNO - OUTDOORS							
			PAVIMENTO - Floors			MURI - Walls			PAVIMENTO - Floors		MURI - Walls					
			MASSETTO IN CEMENTO E IN CALCESTRUZZO Cement and concrete screeds	MASSETTI IN ANDRITTE Anhydrite screeds	MASSETTI RISCALDANTI Heated screeds	VECCHIE CERAMICHE, MARMETTE O MATERIALE LAPIDEO Old ceramics, marble-chip floor tiles or stone material	PAVIMENTI IN PVC, LINOLEUM O VINILICI PVC, Linoleum or vinyl flooring	INTONACO IN GESSO Gypsum plaster	CARTONGESSO PANNELLI IN FIBROCEMENTO Plasterboard Fiber cement panels	VECCHIE CERAMICHE Old ceramic	MASSETTO CEMENTIZIO CALCESTRUZZO Cement screed Concrete	VECCHIE CERAMICHE, MARMETTE O MATERIALE LAPIDEO Old ceramics, marble-chip floor tiles or stone material	INTONACO CEMENTIZIO CALCESTRUZZO Cement plaster concrete			
			CMF						CMF							
			CMF						CMF							
TECHNOS +	TC - LAX	EN 12004 C2	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	-	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	CMF	CMF
TECHNOS +	TC LASTIC	C2	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	-	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile
TECHNO - XL	TC - LAX	C2	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	-	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile
TECHNO - XL	TC LASTIC	C2	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	-	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile
TECHNO LA	TC - LAX	C2	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	-	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile
TECHNO LA	TC LASTIC	C2	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	-	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile
TECHNO DUE	-	C2	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	-	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile
TECHNO RAP 2	-	C2	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	-	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile
ALL 9000	-	C2	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	-	IDONEO Suitabile	IDONEO Suitabile*	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile	IDONEO Suitabile
TECHNOSTAR/HD	-	C2	≤ 10000	≤ 10000*	≤ 5000	≤ 5000	≤ 5000	-	≤ 10000	≤ 10000*	≤ 5000	≤ 5000	≤ 5000	≤ 5000	≤ 5000	≤ 5000
AIR-ONE	-	C2	≤ 10000	≤ 10000*	≤ 5000	≤ 5000	≤ 5000	-	≤ 10000	≤ 10000*	≤ 5000	≤ 5000	≤ 5000	≤ 5000	≤ 5000	≤ 5000
AIRS	-	C2	≤ 10000	≤ 10000*	≤ 5000	≤ 5000	≤ 5000	-	≤ 10000	≤ 10000*	≤ 5000	≤ 5000	≤ 5000	≤ 5000	≤ 5000	≤ 5000
TECHNO MAX S1	-	C2	≤ 10000	≤ 10000*	≤ 5000	≤ 5000	≤ 5000	-	≤ 10000	≤ 10000*	≤ 5000	≤ 5000	≤ 5000	≤ 5000	≤ 5000	≤ 5000

*DOPO UTILIZZO DI "PRIMER T"

PROPRIETÀ FISICO-CHEMICHE PHYSICAL-CHEMICAL PROPERTIES	TIPO DI PROVA STANDARD OF TEST	VALORE RISPETTIVO REQUIRED VALUE	VALORE MASSIMALE FMG MAXIMUM VALUE	ASTH STANDARD OF TEST	ASTH INDUSTRY STANDARDS	ASTH RESULTS (as tested by Strain Energy Laboratory)
Dimensioni Sizes	ISO 10545.2	Lunghezza e larghezza Spessore e spessore Inclinazione Inclinazione spigoli Lineare Vorticosità Planarità Warpage	± 0,6% max ± 0,5% max ± 0,5% max ± 0,6% max ± 1 mm ± 0,2%	ASTM C-499	Average focal dimension < 1,5% Wedging ± 1% Warpage ± 1% of any edge Range of thickness (inch.) < 0,04%	0,15% 0,014% - 0,33% 0,17%
Assorbimento d'acqua Water absorption	ISO 10545.3	≤ 0,5%	≥ 0,05% *	ASTM C-373	Tile shall be impervious	< 0,05%
Resistenza alla flessione Flexion resistance	ISO 10545.4	Modulo di rottura ≥ 35 N/mm ²	53 N/mm ²			
Resistenza all'abbinamento profondo Deep abrasion resistance	ISO 10545.6	Volume ≤ 175 mm ³	≤ 142 mm ³	ASTM C-501	≥ 100	217
Coefficiente di dilatazione termica lineare Coefficient of linear thermal expansion	ISO 10545.8	≤ 9x10 ⁻⁶ °C ⁻¹	6 MK ⁻¹	ASTM C-1028		Mets or excesses (specimens reports) (Please ask for individual test reports)
Resistenza al gelo Frost resistance	ISO 10545.12	Non devono presentarsi rotture o alterazioni apprezzabili della superficie Must not produce noticeable alteration to surface	Non gelivo Frost-proof	ASTM C-1026	No sample must show alterations to surface	Resistant
Resistenza ai prodotti chimici Chemical resistance	ISO 10545.13	Non devono presentarsi apprezzabili segni di attacco chimico Must not produce noticeable signs of chemical attack	Non attaccato Not attacked	ASTM C-650 ASTM C-648	To 10% HCl, Acid - No sample must show visible signs of chemical attack to 10% HCl acid 250 PSI or greater	Unaffected
Resistenza alle macchie Stain resistance	ISO 10545.14	1 < X < 5	CLASSE 5 - CLASS 5 ** Macchia rimossa Stains removed Stains removed by hot running water (without detergent)			
Resistenza dei colori alla luce Color resistance to light	DIN 51094	Non devono presentarsi variazioni apprezzabili di colore Must not produce noticeable colour variation	Praticamente inalterati Inalterance to color No change in brightness or colour of samples			
Coefficiente di attrito (scorribilità) Friction coefficient (slip-resistance)	DIN 51130	Statoe rilevabile Detectable condition	R9 Superficie naturale Pre-polished surface			
Coefficiente di attrito (scorribilità) Friction coefficient (slip-resistance)	BCRA REP GSC 6/81	Attrito soddisfacente Satisfactory friction 0,40 e p. 0,41	>0,40 Superficie naturale Pre-polished surface			
Resistenza al fuoco Fire resistance	96/603/CE		A1			

PIETRE NATURALI DI FABBRICA A TUTTA MASSA CON LE CARATTERISTICHE TECNICHE DEL PORCELLANATO FULL-BODY MANUFACTURED NATURAL STONES WITH PORCELAIN TECHNICAL FEATURES

Classificazione secondo le norme UNI EN 14411 gruppo BIa o UGL
 Classification in accordance with UNI EN 14411 standards BIa group or ISO 13006 Annex G standards BI a UGL group

* I prodotti con assorbimento < 0,5 sono classificati secondo le norme UNI CEN "Fully vitrified tiles" e secondo le norme ASTM "Impervious tiles"
 The products having an absorption < 0,5 are classified according to the UNI CEN standards "Fully vitrified tiles" and according to the ASTM standards "Impervious tiles"

** Varia secondo la finitura di superficie
 It can vary according to the surface finish

FMG FABBRICA MARMI E GRANITI® Certificazioni Certifications

