



SPECIFICATIONS ITEM COLLECTION "GRANITI"

Supply of GranitiFiandre Porcelain Stoneware flooring / wall-covering.

1. PRODUCT AND PROCESS CHARACTERISTICS

The material must be manufactured using top quality clays sintered at 1250 °C and must consist of a single and compact mixture, frost proof, non absorbent, able to withstand chemical and physical aggression. The material must contain no extraneous additives for protection on the surface.

2. COMPLIANCE WITH STANDARDS

The material must be eligible to bear the product marks issued by UNI according to the current international standards

UNI EN ISO 10545.2 (dimensional tolerance)

UNI EN ISO 10545.3 (water absorption)

UNI EN ISO 10545.4 (bending strength)

UNI EN ISO 10545.6 (resistance to deep abrasion)

UNI EN ISO 10545.8 (thermal expansion coefficient)

UNI EN ISO 10545.9 (thermal shock resistance)

UNI EN ISO 10545.13 (chemical resistance)

UNI EN ISO 10545.12 (frost resistance)

UNI EN ISO 10545.14 (stain resistance)

it must also comply with the DIN 51094 standard (colors resistance to light).

The Quality Management System, adopted by GranitiFiandre and certified according to the **UNI-EN ISO 9001/2000** standard, guarantees the fact that these characteristics remain unchanged.

With the aim of constantly reducing the waste of natural resources, decreasing environmental impact and pursuing continuous improvement, GranitiFiandre has adopted an Environmental Management System certified according to the **UNI-EN ISO 14001** standard, and has joined the EU "ECO-MANAGEMENT" ("**ECOGESTIONE**") system as per the provisions of CE regulation 761/2001 **EMAS**.

Graniti: Fully vitrified materials belonging to group B1a
Requirements as per the EN ISO 13006 standard Enc. G - UGL

4. TECHNICAL CHARACTERISTICS AND PRODUCT MARKS

PHISICAL PROPERTY	NORMS	GRANITIFIANDRE™ VALUES Average value of production
WATER ABSORPTION	ISO 10545.3	0,01% ÷ 0,04%
SIZES	ISO 10545.2	± 0,2% ± 0,3%(15x15 cm) Length and width ± 2,0% Thickness ± 0,2% ± 0,3%(15x15 cm) Linearity ± 0,2% ± 0,3%(15x15 cm) Wedging ± 0,2% Warpage
BENDING STRENGHT	ISO 10545.4	52 N/mm ²
RESISTANCE TO DEEP ABRASION	ISO 10545.6	128 mm ³
THERMAL EXPANSION COEFFICIENT	ISO 10545.8	7 MK ⁻¹
THERMAL SHOCK RESISTANCE	ISO 10545.9	Resistant
FROST RESISTANCE	ISO 10545.12	Frost proof
CHEMICAL RESISTANCE	ISO 10545.13	Unaffected
COLOR RESISTANCE TO LIGHT	DIN 51094	No change in brightness or colour
BRIGHTNESS (polished)		More or equal than natural marbre and granite, polished or bright
STAIN RESISTANCE	ISO 10545-14	Resistant to stain