

SPECIFICATIONS of collection (semigres): ELEMENTI

1. Product and process features

Ceramic tiles – Group BIII – for internal walls coverings.

2. Compliance with Standards

The material, in compliance with the requirements of European standards EN 14411 Encl. L and International standards ISO13006 Encl. L, must meet the following technical features:

ISO 10545-3 (Water absorption)

ISO 10545-2 (Dimensions and surface quality)

ISO 10545-4 (Modulus of rupture (R))

ISO 10545-8 (Thermal expansion coefficient)

ISO 10545-9 (Thermal shock resistance)

ISO 10545-11 (Determination of crazing resistance)

ISO 10545-13 (Chemical resistance)

ISO 10545-14 (Stain resistance)

The Quality Control System implemented by the company guarantees the mentioned above features in accordance with UNI-EN-ISO 9001:2015 standards; our company also guarantees the constant respect of the laws in force concerning the health and safety of workers through the ISO 45001 management scheme.

Slabs, with a low environmental impact, obtained by pursuing policies of continuous improvement aimed at reducing the wastes of non-renewable resources by using natural raw materials that are not environmentally valuable.

Objectives achieved through the adoption of Environmental and Energy Management Systems respectively certified in accordance with the UNI-EN ISO 14001:2015 and ISO 50001:2018 standards as well as through the registration to the “ECO-MANAGEMENT” Community system according to the requirements of the EMAS Regulations.

3. Commercial Description of the Product

Company	Iris Ceramica
Collection	ELEMENTI
Product	Acquamarina - Avorio - Bianco - Carbone - Cotto - Lava Carbone - Lava Cobalto - Lava Giallo - Lava Mare - Lava Rosso - Peonia - Ramine - Senape - Tabacco - Visone
Finish	Glossy
Size in inch	12x3
Size in cm	30x7,5
Thickness in mm	8,8

4. Technical features

Chemical Physical	Norms	Required Standards	Average Values of Production
Water absorption	ISO 10545-3	Eb > 10%	> 16%
Length and Width	ISO 10545-2	± 0,5 %	Compliant
Thickness		± 10 %	
Linearity		± 0,3%	
Rectangularity		± 0,5 %	
Surface Flatness		+ 0,5 % / - 0,3 %	
Modulus of rupture (R)	ISO 10545-4	R ≥ 15 N/mm ²	20 N/mm ²
Coefficient of linear thermal expansion	ISO 10545-8	Test method available	8x10 ⁻⁶ °C ⁻¹
Thermal shock resistance	ISO 10545-9	Test method available	Resistant
Crazing Resistance	ISO 10545-11	Test method available	Resistant
Chemical resistance* - Household chemicals - Swimming pool salts - Low concentration of acid and alkalis - High concentration of acid and alkalis	ISO 10545-13	- Min. Class B - Manufacturer is to state classification - Test method available	A LB HB
Stain resistance	ISO 10545-14	Min. Class 3	On request

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

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