



TECHNICAL DATA-SHEET **TEKNOSTONE COLLECTION**

1. Properties and process features

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

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

2. Compliance with Standards

In compliance with the requirements of the European standards EN14411 and International ISO13006, Annex G.

EN ISO 10545.3 –	(water absorption)
EN ISO 10545.6 –	(resistance to deep abrasion)
EN ISO 10545.8 –	(coefficient of linear thermal expansion)
EN ISO 10545.9 –	(resistance to thermal shocks)
EN ISO 10545.12 –	(resistance to frost)
EN ISO 10545.13 –	(resistance to chemicals)
EN ISO 10545.14	(resistance to stains)

and must ensure compliance with DIN 51130 (slip resistance), DIN 51094 (colour resistance to light).

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, 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 *EMAS* Regulations.

3. Commercial Description of Product

COMPANY	Ariostea
COLLECTION	TEKNOSTONE
SIZE mm	1200x600 – 600x600 – 600x300
FINISH	Matt
THICKNESS mm	8,0

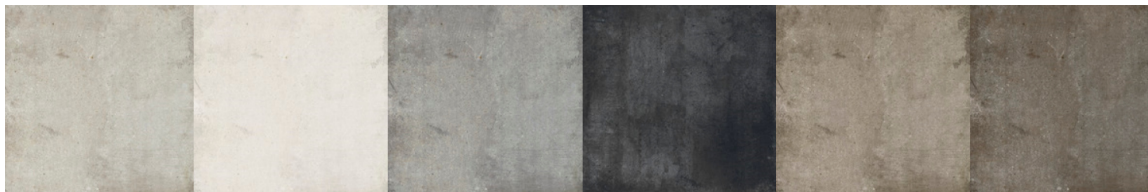
Completely vitrified materials belonging to Group BIa
Meets requirements of standard EN 14411 Annex G-UGL.

DIMENSIONS:

Materials supplied in caliber 7 (Mono-caliber).

Nominal dimensions mm	Average production dimensions mm
1200 x 600	1195,8 x 595,8
600 x 600	595,8 x 595,8
600 x 300	595,8 x 296,4

COLORS:



LIGHT GREY

PEARL

SMOKE

SOFT BLACK

TAUPE

TOBACCO

4. Technical features and product brands

TECHNICAL FEATURES	MEASURING STANDARDS OR METHOD	AVERAGE VALUE
SIZES	<i>ISO 10545.2</i>	± 0.1% Length and width ± 5% Thickness ± 0.1% Edge straightness ± 0.1% Orthogonality ± 0.2% Flatness
WATER ABSORPTION	<i>ISO 10545.3</i>	≤ 0,1%
MODULS OF RUPTURE (R)	<i>ISO 10545.4</i>	>45 N/mm ²
RESISTANCE TO DEEP ABRASION	<i>ISO 10545.6</i>	140 mm ³
COEFFICIENT OF LINEAR THERMAL EXPANSION	<i>ISO 10545.8</i>	6,5 x 10 ⁻⁶ °C ⁻¹
RESISTANCE TO THERMAL SHOCKS	<i>ISO 10545.9</i>	Resistant
RESISTANCE TO FROST	<i>ISO 10545.12</i>	Conforms
RESISTANCE TO CHEMICALS	<i>ISO 10545.13</i>	Conforms
STAIN RESISTANCE	<i>ISO 10545.14</i>	Conforms
COLOR RESISTANCE TO LIGHT	<i>DIN 51094</i>	Unaffected
FIRE PROOF	<i>Decision 96/603 CE not requested</i>	Class A1-A1 _{FL}

09th November 2018