

SPECIFICATIONS ITEM ACTIVE CLEAN AIR & ANTIBACTERIAL CERAMIC™

Supply and laying of Fiandre frost-resistant fine porcelain stoneware material, type “_____” (insert collection’s name) size _____ cm, thickness _____ mm, squared and bevelled, **Active Clean Air & Antibacterial Ceramic™** finish, with titanium dioxide and proven photocatalytic properties.

(Name of material and collection) _____ uses the new productive methodology ACTIVE Clean Air & Antibacterial Ceramic™ based on the application at high temperature of micrometric particles of titanium dioxide (TiO₂) that, exploiting the photocatalytic process allows to realize materials with real antipollution and antibacterial properties (abatement of bacterial strains such as Escherichia coli, Klebsiella pneumoniae, Staphylococcus aureus), as attested by two qualified research boards such as TCNA (Tile Council of North America) and Italian Ceramic Center (Centro Ceramico Bologna). ACTIVE productive methodology rules out the use of sol-gel treatment, based on nano structured titanium dioxide.

The material must be produced with top quality clay and composed of a compact mix with full-bodied colour effects. Pressed and compliance with EN ISO 14411 – Group B1a standards and the following characteristics (average values):

PHYSICAL PROPERTY	NORMS	GRANITIFIANDRE™ VALUES
Water absorption	ISO 10545.3	<i>see the values of the concerned collections</i>
Sizes	ISO 10545.2	<i>see the values of the concerned collections</i> Length and width Thickness Linearity Wedging Warpage
Bending strength	ISO 10545.4	<i>see the values of the concerned collections</i>
Thermal expansion coefficient	ISO 10545.8	<i>see the values of the concerned collections</i>
Thermal shock resistance	ISO 10545.9	<i>see the values of the concerned collections</i>
Frost resistance	ISO 10545.12	<i>see the values of the concerned collections</i>
Chemical resistance	ISO 10545.13	<i>see the values of the concerned collections</i>
Color resistance to light	DIN 51094	<i>see the values of the concerned collections</i>

Skid resistance
(Average coefficient of friction)

DIN 51130

*see the values of the concerned
collections*

Stain resistance

ISO 10545-14

*see the values of the concerned
collections*