



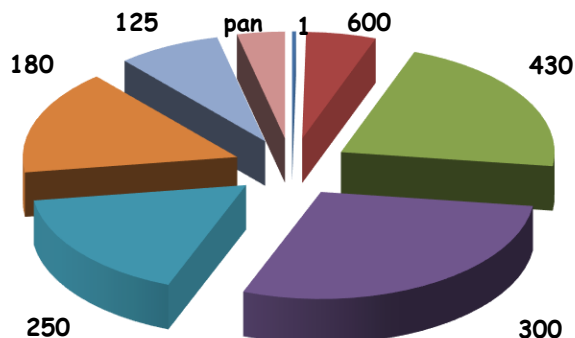
PRODUCT DATA SHEET

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

CODE	9370
NAME	Terre Bianche
DESCRIPTION	Atomized white mix for monoporosa wall tiles

PARTICLE SIZE DISTRIBUTION

sieve opening	residual
1 mm	0,3%
600 μm	5,3%
430 μm	21,5%
300 μm	28,8%
250 μm	16,8%
180 μm	15,9%
125 μm	7,8%
pan	3,6%



PROPERTIES BEFORE FIRING

Forming pressure	250 Kg/cm ²	Modulus of rupture of green body	9 Kg/cm ²
Linear expansion after pressing	0,41%	Modulus of rupture of dried body	30 Kg/cm ²
Moisture of atomised	6,2%	Specific surface M.B.I.	45 m ² /g

PROPERTIES AFTER FIRING ¹

Thermal work of kiln ²	1030 °C
Linear shrinkage	0,5%
Water absorption	17,9%
Loss on ignition	10,1%
Modulus of rupture of fired body	230 Kg/cm ²
Linear expansion coeff. 20-400 °C ³	$70 \times 10^{-7} \text{ } ^\circ\text{K}^{-1}$
Moisture expansion ⁵	0,02%

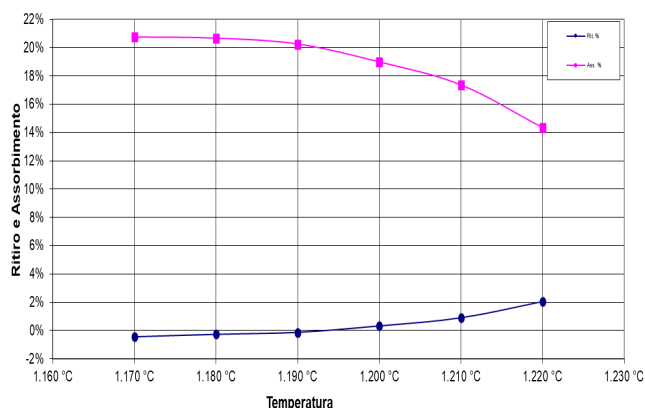
Colorimetric values ⁴

L* (white)	84
a* (red-green)	3
b* (yellow-blue)	12
Fired colour approx.	white

CHEMICAL ANALYSIS

SiO ₂	59%
Al ₂ O ₃	17%
Fe ₂ O ₃	0,8%
TiO ₂	0,5%
CaO	5,1%
MgO	3,2%
Na ₂ O	1,7%
K ₂ O	2,1%
I.o.i.	10,1%

GREIFICATION DIAGRAM



Notes:

- ¹ Samples are fired in laboratory kiln of 3,6 m.
- ² Measured with BULLER ring fired on a refractory tile of 25x30 cm.
- ³ 10°C/min. gradient.
- ⁴ Illuminant/Observer = D65/10°. ColorQUEST Sphere: Stdz Mode: RSIN.
- ⁵ Measured according to standard UNI EN ISO 10545-3:2018

The data mentioned are average values obtained from production and laboratory controls

October 2024