



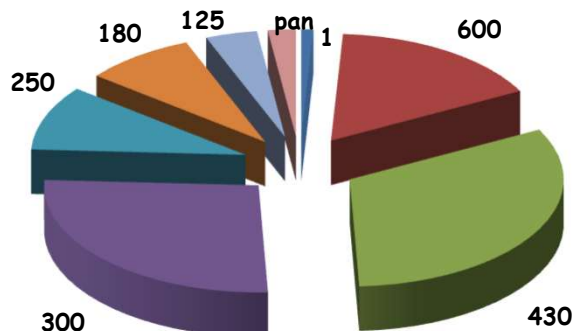
PRODUCT DATA SHEET

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

CODE	9100
NAME	Neutrowhite
DESCRIPTION	Atomized neutral base for porcelain tiles

PARTICLE SIZE DISTRIBUTION

sieve opening	residual
1 mm	0,9%
600 μm	16,4%
430 μm	32,0%
300 μm	26,5%
250 μm	9,8%
180 μm	8,4%
125 μm	3,9%
pan	2,1%



PROPERTIES BEFORE FIRING

Forming pressure	400 Kg/cm ²	Modulus of rupture of green body	9 Kg/cm ²
Linear expansion after pressing	0,52%	Modulus of rupture of dried body	30 Kg/cm ²
Moisture of atomised	5,7%	Specific surface M.B.I.	43 m ² /g

PROPERTIES AFTER FIRING ¹

Thermal work of kiln ²	1135 °C
Linear shrinkage	6,5%
Water absorption	0,05%
Loss on ignition	4,5%
Modulus of rupture of fired body	520 Kg/cm ²
Linear expansion coeff. 20-400°C ³	76 x 10 ⁻⁷ °K ⁻¹

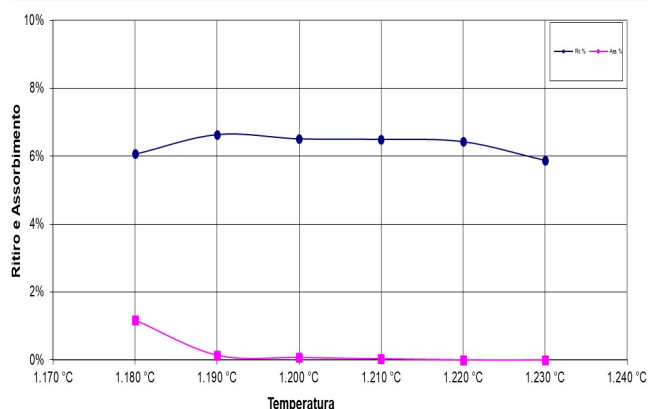
Colorimetric values ⁴

L* (white)	70
a* (red-green)	2
b* (yellow-blue)	12
Fired colour approx.	Ivory

CHEMICAL ANALYSIS

SiO ₂	67%
Al ₂ O ₃	19%
Fe ₂ O ₃	0,8%
TiO ₂	0,6%
CaO	1,0%
MgO	0,7%
Na ₂ O	4,9%
K ₂ O	1,5%
C tot	0,22%
S tot	0,02%
I.o.i.	4,5%

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.

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

October 2024