



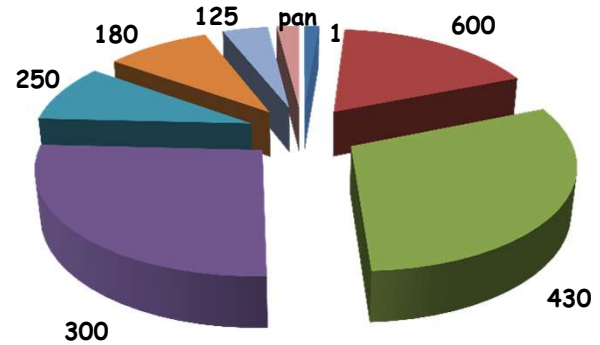
PRODUCT DATA SHEET

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	1,3%
600 µm	17,6%
430 µm	30,4%
300 µm	26,5%
250 µm	9,1%
180 µm	9,1%
125 µm	4,0%
pan	2,0%



PROPERTIES BEFORE FIRING

Forming pressure	400 Kg/cm ²	Modulus of rupture of green body	9 Kg/cm ²
Linear expansion after pressing	0,25%	Modulus of rupture of dried body	30 Kg/cm ²
Moisture of atomised	5,8%	Specific surface M.B.I.	43 m ² /g

PROPERTIES AFTER FIRING ¹

Thermal work of kiln ²	1132 °C
Linear shrinkage	6,6%
Water absorption	0,03%
Loss on ignition	3,4%
Modulus of rupture of fired body	560 Kg/cm ²
Linear expansion coeff. 20-400°C	77 × 10 ⁻⁷ °K ⁻¹

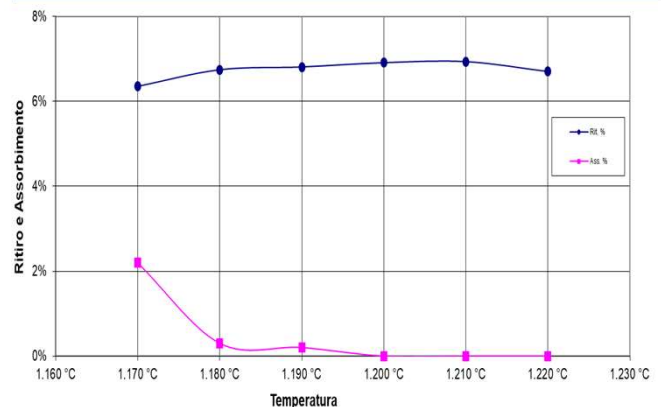
Colorimetric values ⁴

L* (white)	66
a* (red-green)	3
b* (yellow-blue)	13
Fired colour approx.	Ivory

CHEMICAL ANALYSIS

SiO ₂	70%
Al ₂ O ₃	17%
Fe ₂ O ₃	1,1%
TiO ₂	0,6%
CaO	0,5%
MgO	0,7%
Na ₂ O	4,4%
K ₂ O	1,8%
p.f.	3,4%

GREIFICATION DIAGRAM



Note:

- ¹ Samples are fired in laboratory kiln of 3,6 m.
- ² Measured with BULLER ring fired on a refractory tile of 25x30 cm..
- ⁵ 0°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

November 2022