

GE221

WHITE STONEWARE

1000-1280 °C

A versatile white stoneware body offered in five textures, including pyrite and ash mineral effects.

AVAILABLE VARIANTS

REFERENCE	TEXTURE	GROG SIZE	PACK	FIRING RANGE
GE221	Smooth	-	10 kg	1000-1280 °C
GE221 IMP	20% extra-fine grog	0-0.125 mm	10 kg	1000-1280 °C
GE221 CHF	20% fine grog	0-0.5 mm	10 kg	1000-1280 °C
GE221 PY	Smooth, pyrite effect	0-0.125 mm	10 kg	1000-1280 °C
GE221 CEN	Smooth, ash effect	0-0.5 mm	10 kg	1000-1280 °C

Colour & body

WET COLOUR

white

FIRE COLOUR

white to grey depending on variant

SUPPLY FORM

ready-to-use moist block

GE221 - White Stoneware

CHEMICAL ANALYSIS OF THE RAW BODY - WT. %

LOI	SiO2	Al2O3	Fe2O3	TiO2	CaO	MgO	Na2O	K2O
7	73.4	21.6	1	1.2	0.1	0.3	0.1	2.3

FIRED PROPERTIES

TEMPERATURE / VARIANT	FIRING SHRINKAGE	WATER ABSORPTION
1000 °C	1.0 %	13.4 %
1100 °C	2.6 %	7.2 %
1200 °C	4.0 %	2.2 %
1280 °C	5.0 %	0.4 %

OTHER DATA

Drying shrinkage	8 %
Loss on ignition	5.2 % to 1000 °C / 5.5 % to 1280 °C
Thermal expansion (20-400 / 500 / 600 °C)	44 / 54 / 64 ×10 ⁻⁶
Supply condition / moisture	Moist clay body
Dry modulus of rupture	3.4 N/mm² to sec

PROCESSING GUIDANCE

- Wedge and homogenise the body before forming.
- Dry slowly and evenly, away from draughts.
- Adjust the firing schedule to thickness, load and kiln.
- Test the clay-slip-glaze combination before production.

SAFETY & STORAGE

- Protect from frost and drying during storage.
- Avoid dry operations that generate dust.
- For sanding: suitable extraction and FFP2/FFP3 protection.
- Associated SDS: RF-SDS-SERIE-GE221-2026-R1.pdf.

DOCUMENT TDS-RB-GE221-2026-EN-R0

Sources: original Raoult & Fils technical data and product decisions dated 11 Aug 2026. Values are indicative and do not constitute a product specification. Revision: 11 Aug 2026.