

## FICHE TECHNIQUE

### “WOLLASTONITE”

Wollastonite is a natural calcium silicate.

The standardised quality is guaranteed by means of an ISO 9001:2008 certified quality management plan. The raw materials and production are closely monitored to ensure a constant quality with regard to its chemical composition and grain size.

The raw materials used for the production are specially selected to be used in glazes and frits. During production samples are taken and tested in a glaze which after firing is checked on visual aspects.

**Wollastonite** is the best way of introducing CaO into a glaze since it results in a much smoother glaze surface as compared to any other source of CaO.

**Wollastonite** is micronized so finely it can be used in a glaze using a mixer or dissolver rather than by milling the glaze.

#### PARTICLE SIZE ANALYSIS AND PHYSICAL PROPERTIES

Mean values. These do not represent a specification.

		G 20	G 38	Method
+ 38 micron	%		3	Alpine air jet
- 86 micron	%	99.5	96.5	Sympatec
- 51 micron	%	96.5	88	Laser diffraction
Moisture	%	0.1	0.1	Halogen dryer
Hardness		5	5	Mohs' scale
Density	g/cm <sup>3</sup>	2.9	2.9	He-pyknometer
Loose apparent density	g/cm <sup>3</sup>	0.7	0.8	ISO 787/11
Tapped apparent density	g/cm <sup>3</sup>	1.1	1.25	ISO 787/11

#### CHEMICAL ANALYSIS

Mean values. These do not represent a specification.

	Weight %	Method
CaO	44	XRF
SiO <sub>2</sub>	52	XRF
Na <sub>2</sub> O	0.05	XRF
K <sub>2</sub> O	0.1	XRF
MgO	1.2	XRF
Al <sub>2</sub> O <sub>3</sub>	0.4	XRF
MnO	0.02	XRF
Fe <sub>2</sub> O <sub>3</sub>	0.37	XRF
L.o.i.	1.7	1000 °C, 1 hour

Siège social :  
 ZA Le Prouet  
 53 rue de la Filature  
 87350 PANAZOL  
 Tél.: 05.55.35.02.35  
 Site web : [www.ceradel.fr](http://www.ceradel.fr)