

Technical data sheets :

Vision Universal-Glaze-paste

**Standard - Composition:**

Silica SiO <sub>2</sub>	55 - 65 %
Alumina Al <sub>2</sub> O <sub>3</sub>	7 - 8 %
Potassium-oxide K <sub>2</sub> O	11 - 13 %
Sodium-oxide Na <sub>2</sub> O	10 - 13 %
Lithium-oxide Li <sub>2</sub> O	- %
Magnesium- oxide MgO	- %
Calcia CaO	2 - 5 %
Barium-oxide BaO	2 - 5 %
Boron- oxide B <sub>2</sub> O <sub>3</sub>	2 - 4 %
Titanium Dioxide TiO <sub>2</sub>	- %
Zirconium Oxide ZrO <sub>2</sub>	< 1 %
Phosphorous-oxide P <sub>2</sub> O <sub>5</sub>	- %
other Oxides of CeO <sub>2</sub> , CeF <sub>3</sub>	< 1 %
Tin Dioxide SnO <sub>2</sub> 2	- %
Pigments	- %
	balance liquid

**Physical properties:**

Solubility [µg/cm <sup>2</sup> ]	20
max. 100 µg/cm <sup>2</sup> (± 5)	
Flexural Strength [MPa]	-
min. 50 MPa	
CTE (25/500°C) [ppm/K]	
2 Firing	8.0
TG [°C]	520
± 10	
Particle Size Distribution D90/10 [µm]	20
Crystallinity detected by XRD	amorphous Glass
Thermal Shock Resistance	≥ 140 °C

We confirm that all porcelain powders stated on this list have been tested and conform to EN ISO9693 and 6872