

Technical data sheets :

Vision-Universal Stains

Standard - Composition:

Silica SiO ₂	61 - 65 %
Alumina Al ₂ O ₃	8 - 10 %
Potassium-oxide K ₂ O	5 - 7 %
Sodium-oxide Na ₂ O	7 - 10 %
Lithium-oxide Li ₂ O	- %
Magnesium- oxide MgO	- %
Calcia CaO	1 - 2 %
Barium-oxide BaO	2 - 3 %
Boron- oxide B ₂ O ₃	7 - 10 %
Titanium Dioxide TiO ₂	< 1 %
Zirconium Oxide ZrO ₂	< 1 %
Phosphorous-oxide P ₂ O ₅	1 - 2 %
other Oxides of CeO ₂ , CeF ₃	< 1 %
Tin Dioxide SnO ₂ 2	- %
Pigments	0,1 - 3,0 %

Physical properties:

Solubility [µg/cm ²] max. 100 µg/cm ² (± 5)	-
Flexural Strength [MPa] min. 50 MPa	-
CTE (25/500°C) [ppm/K]	
2 Firing	9.5
4 Firing	9.5
TG [°C] ± 10	550
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