

Technical data sheets :

Vision-Zirkon Liner; Vision-Zirkon Opak-Dentin; Vision-Zirkon Dentin;
Vision-Zirkon Incisal; Vision-Zirkon Clear; Vision-Zirkon Transpa; Vision-Zirkon Gingiva

Standard - Composition:

Silica SiO ₂	60 - 70 %
Alumina Al ₂ O ₃	9 - 13 %
Potassium-oxide K ₂ O	5 - 10 %
Sodium-oxide Na ₂ O	9 - 13 %
Lithium-oxide Li ₂ O	< 1 %
Magnesium- oxide MgO	- %
Calcia CaO	2 - 5 %
Barium-oxide BaO	1 - 2 %
Boron- oxide B ₂ O ₃	- %
Titanium Dioxide TiO ₂	- %
Zirconium Oxide ZrO ₂	< 1 %
Phosphorous-oxide P ₂ O ₅	- %
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)	16
Flexural Strength [MPa] min. 50 MPa	> 70
CTE (25/500°C) [ppm/K]	
2 Firing	9.5
4 Firing	9.5
TG [°C] ± 10	550
Particle Size Distribution D90/10 [µm]	60
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 ISO9693:2000 and 6872:1998