

Technical data sheets :

Vision-3D Artistic Stain & Shade :

White, Honey, Blue, Sky, Violet, Olive, Redbrown, Darkbrown, Grey, Red, Pink, Ivory, Cherry, Softpink, Purple, Caribian, Brasil, Rubin, Rose, Glaze, A, B, C, D

Standard - Composition:

Silica SiO ₂	44 - 48 %
Alumina Al ₂ O ₃	5 - 7 %
Potassium-oxide K ₂ O	3 - 5 %
Sodium-oxide Na ₂ O	4 - 6 %
Lithium-oxide Li ₂ O	< 1 %
Magnesium- oxide MgO	- %
Calcia CaO	2 - 4 %
Barium-oxide BaO	< 1%
Boron- oxide B ₂ O ₃	1 - 3 %
Titanium Dioxide TiO ₂	< 1 %
Zirconium Oxide ZrO ₂	< 1 %
Phosphorous-oxide P ₂ O ₅	< 1%
other Oxides of CeO ₂ , CeF ₃	< 1 %
Tin Dioxide SnO ₂ 2	- %
Pigments	0,1 - 3,0 %
	balance liquid

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	8.0
4 Firing	8.0
TG [°C]	530
± 10	
Particle Size Distribution D90/10 [µm]	45
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