

KeraSpectrum®



- > EuroKera KeraSpectrum® has been engineered to comply with the requirements of the radiant, gas burners and induction cooktops.
- > The unique optical properties of KeraSpectrum® black glass ceramic allow bright and luminous displays.
- > The environmentally friendly manufacturing process of KeraSpectrum® eliminates the use of heavy metals such as arsenic or antimony.



new colors
(white, purple, blue, green, yellow...)



colors adjusted
to your product line
and/or brand identity



different shades of
white from cold to
warm

Specifications

The physical and chemical characteristics of KeraSpectrum® are in accordance to relevant EN, ISO, NF or DIN standards, when available, and otherwise according to our company specifications (SPC-EU/ST 15). In particular, KeraSpectrum® meets the mechanical specifications defined in European standards EN 60-335-1 and EN 60-335-2-6.

The bottom surface of KeraSpectrum® panels is covered with a black opacifying layer, outside of the display areas for all applications and outside of the heating zones (for radiant applications only). KeraSpectrum® panels present a colored coating in the displays area, specifically designed to your display color target.

This product is available with or without bottom surface texture (pebbles).



NOTE: Information in this document reflect standard specification. Do not hesitate to consult us for any special request.

www.eurokera.com

GLASS-CERAMIC PROPERTIES		UNITS	VALUE
Mechanical	Density	g/cm ³	2.54
	Young's Modulus E	GPa	92
	Torsion Modulus G	GPa	36
	Poisson's Ratio		0.26
	Minimum mechanical bending strength	MPa	150
	Knoop Hardness		600
Thermal	CTE (20-700°C)	10 ⁻⁷ .K ⁻¹	0 ± 1
	Specific Heat (20-100°C)	J/g.K	0.9
	Resistance to Thermal gradients	°C	ΔTmax = 700
	Resistance to Thermal shock	°C	ΔTmax = 700
Optical	IR Transmission at 1100 nm		69%
	IR Transmission at 2400 nm		80%
	Visible light transmission with color coating	TL _{D65} 1.4 ± 0.55%	
Electrical	Electrical resistivity log n at 250°C	Ω.cm	6.8
	Electrical resistivity log n at 350°C	Ω.cm	5.4
	Dielectric constant (1MHz, 25°C)		7.9
	Loss factor tan (1MHz, 25°C)		0.02
Chemical	Hydrolytic resistance DIN12111		HGB1
	Acid resistance DIN12116		Class 3
	Alkali resistance DIN52322		A1