

# TECHNICAL INFORMATION

KERAFOL® - Keramische Folien GmbH, founded 1985 and located in Eschenbach, Bavaria, is one of the worldwide leaders in manufacturing ceramic tapes and substrates of different oxide and non-oxide materials.

KERAFOL® - products offer a wide range for the most different areas of applications, as for example in microelectronics, thermal management, filtration, sensor technology, SOFC Fuel cells and LTCC technology.

Characteristics	typical measured values	unit	Keraflex®-substrate
	colour	-	white-transparent
	surface roughness R <sub>a</sub>	µm	1,6
	green density	kg/dm <sup>3</sup>	2,42 ± 0,1
	water absorbing capacity	%	<0,1
	bending strength(unglazed)	MPa	23
	thermal conductivity	W/mK	1,5
	dielectric constantε <sub>r</sub>	-	6,0
	dielectric strength	kV/mm	>12
	thermal expansion coefficient	10 <sup>-6</sup> K <sup>-1</sup>	7
	translucency	-	yes
	bending radius	mm	>4
	firing shrinkage at 1200/1240/1280°C	%	ca. 15/17/18

Characteristics	typical measured values	unit	Keraflex®-green tape
	colour	-	light beige
	tensile strength at 20°C	N/mm <sup>2</sup>	1,35
	solubility	-	slightly resolvable with water
	dielectric strenght	kV/mm	ca. 12
density	kg/dm <sup>3</sup>	1,57	

**For further informations please contact:**

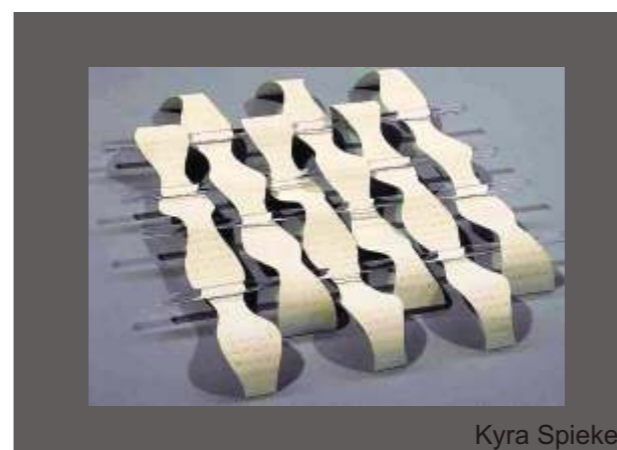
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Hölderle



Pottmann



Kyra Spieker

**Keraflex®**  
 Die Porzellanfolie

**FLEXIBLE**

**TRANSLUCENT**

**MULTIFUNCTIONAL**

**KERAFOL®**  
 KERAMISCHE FOLIEN GMBH



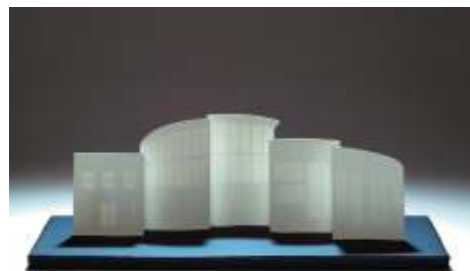
# KERAFLEX - China Tape



Rachel Kingston



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## MATERIAL AND FEATURES

- A tape based on ceramic raw materials and organic binding matrix.
- flexible and multifunctional
- The tape connects the qualities of porcelain with the unusual technology of the tape casting.

## APPLICATION FIELDS

- Within the artistic range as well as in the design Keraflex energizes creativity due to its flexible characteristics. It is used for decoration, lighting elements, furniture and representing art.
- In the sintered condition Keraflex stands for an optical very delightful transparency that offers free space for new ideas.

## STORAGE AND USE

- Always store product in its original packaging
- do not expose the temperatures > 50°C for long periods
- keep away from direct sunlight and humidity
- Handling: see Keraflex safety data sheet



Reeli Haamer

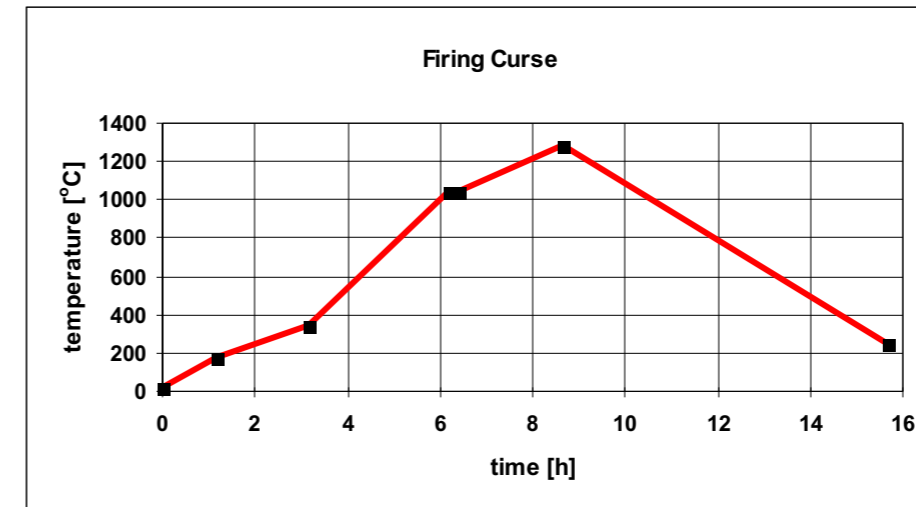


Johanna Hitzler



Friesland

## FIRING CURSE SOFT PORCELAIN



Firing is only to be done in closed furnace aggregates with an appropriated exhaust! The prolonged direct proximity the oven is to be avoided during the heating-phase!

## FORMATE

**Keraflex** -green tape  
Ultra Porzellanmatrix

- format DIN A4:  
thickness 0,5 mm  
thickness 1,0 mm
- format DIN A3:  
thickness 0,5 mm  
thickness 1,0 mm
- Customized formats are possible as well.

