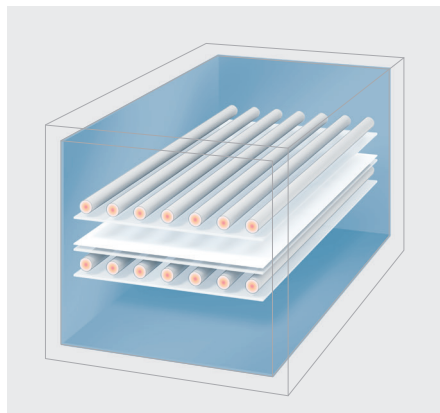


SCHOTT NEXTREMA® glass-ceramic solutions for machinery and plant engineering

Excellent IR-transmittance for all kind of heating & high temperature applications

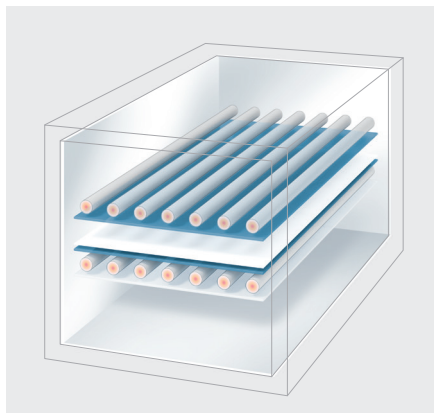
Improving performance and cost reduction are critical success factors. NEXTREMA® is a versatile glass-ceramic material platform combining different technical properties to enable successful solutions in machineries and plant engineering i.e. for display equipment manufacturing.

The process inert material is the perfect match for inner lining, infrared heater cover, or carrier plates especially in high temperature environments (e.g. inline or batch furnaces).



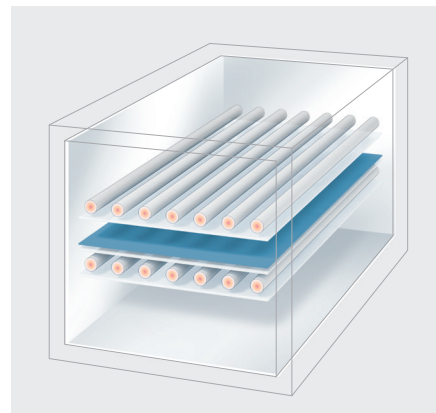
Inner lining / insulation

- Low transmission to save energy in temperature processes
- Machine-processable material e.g. cut outs for supply pipes



Heater cover

- Inert
- Easy-to-clean in sputter processes
- High transmission
- Near zero thermal expansion



Carrier plates / substrate support

- Near zero thermal expansion enables rapid heating and cooling
- High mechanical strengths

Overall technical properties:

- Near zero thermal expansion
- Operating temperature up to 950°C (1,742°F)
- UV blocking and broad transmission spectrum in the range of visible light and infrared radiation
- Low thermal conductivity
- Thermal shock resistance up to 820°C (1,508°F)
- Non-porous surface
- Process inertness
- Smooth and chemically resistant surface

Dimensions and shapes:

- Maximum dimension: 1954 x 1100 mm*
- Thickness: 2-6 mm**
- Cut-to-size
- Flat and bent parts**
- Additional processing possible

* Up to Gen 6 formats have to be evaluated on request. | ** Others thicknesses or shapes available on request.

Successfully in use in the following industries (extract only):

- Display manufacturing – AMOLED, LTPS and Oxide TFT, Polyimide curing
- Solar panel manufacturing – CIGS, CdTe
- Food processing
- Drying and curing of coatings

SCHOTT NEXTREMA®. Developed for extreme conditions. Made to meet your challenges.

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