



New material for generating great ideas

Industrial designers are very lucky to have an exciting job: They hold the keys in their heads to all of the products we use in our daily lives. The “next extreme material” ensures they are able to turn concepts into reality. It allows them to design even those products that we are unable to imagine today.

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Challenge

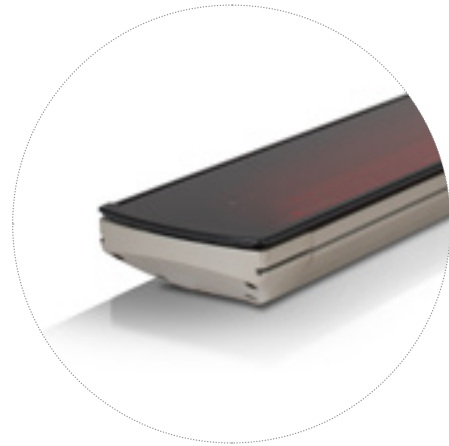


Design under extreme conditions

© heatscope.com

First cold. Then hot. And then cold again. Large temperature fluctuations can often bring a material to the brink. It can bend, break or even shatter. It's these factors that designers have to consider when developing new products.

SCHOTT's response is a very special glass-ceramic: NEXTREMA® - the "next extreme material"



Infrared heater HEATSCOPE Vision 3.200 W black

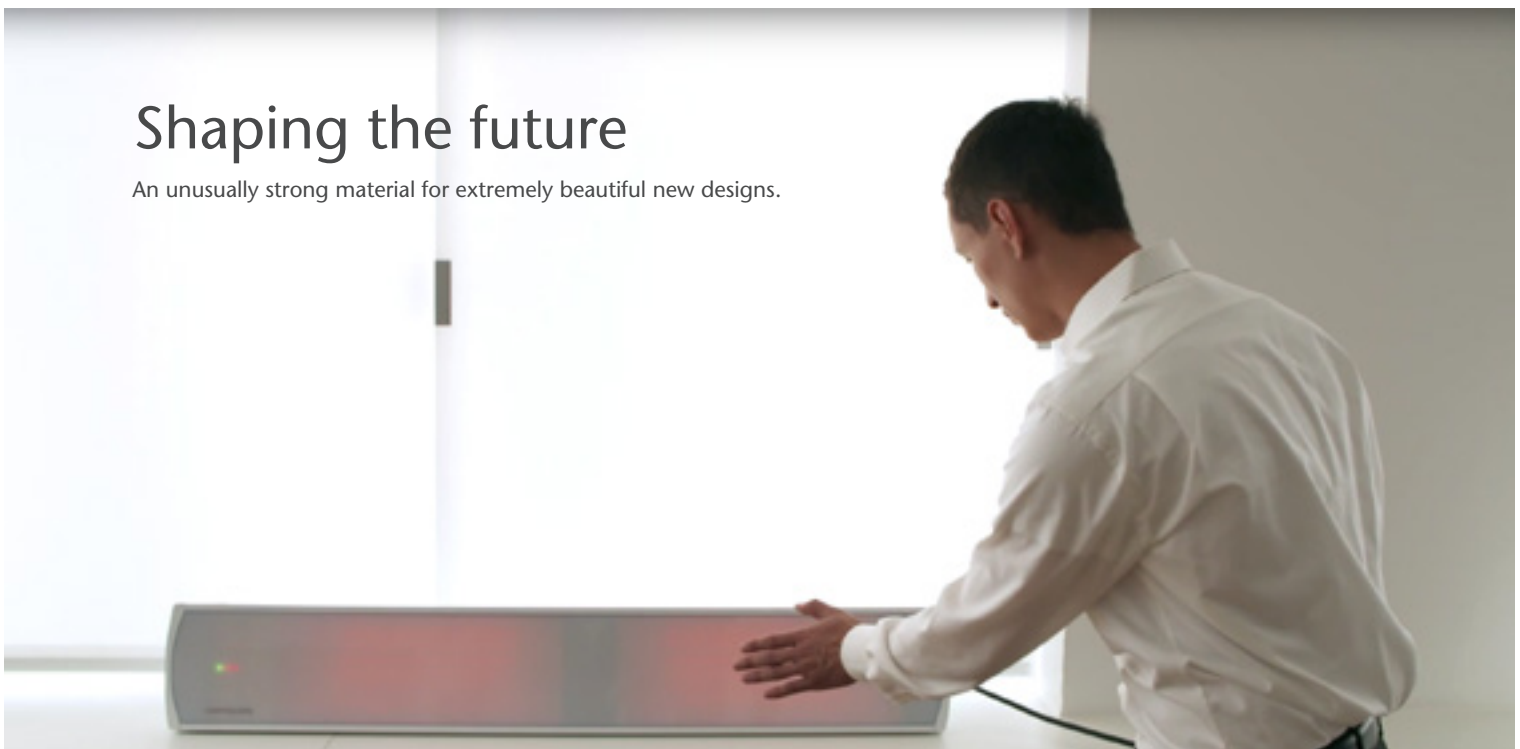
People

„A product idea is only as good as the material employed. You can develop a great design, and in the end, physics put a spanner in the works. SCHOTT's glass-ceramic gives us the opportunity to actually realize exceptional ideas.“

— Mike James, Design & Innovation Director, Morphy Richards, UK

Shaping the future

An unusually strong material for extremely beautiful new designs.

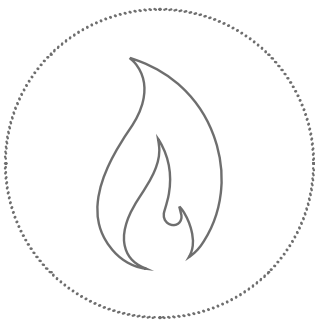


Offering a large variety

NEXTREMA® glass-ceramic lets new ideas flow freely. This is how innovative designs are born, combining function and aesthetic.

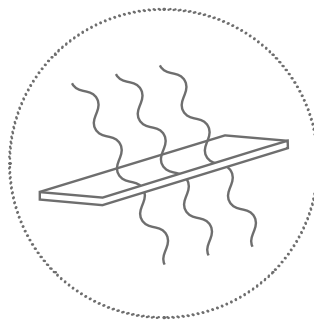
Material thickness range of 2–8 mm

6 color options



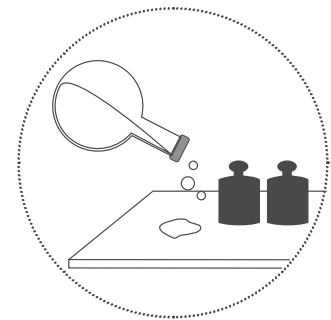
Resistant to high temperatures

Withstands heat, cold and quick temperature swings



Permeable for infrared rays

A great enabler for applications such as infrared emitters and cabins.



Protected from external elements

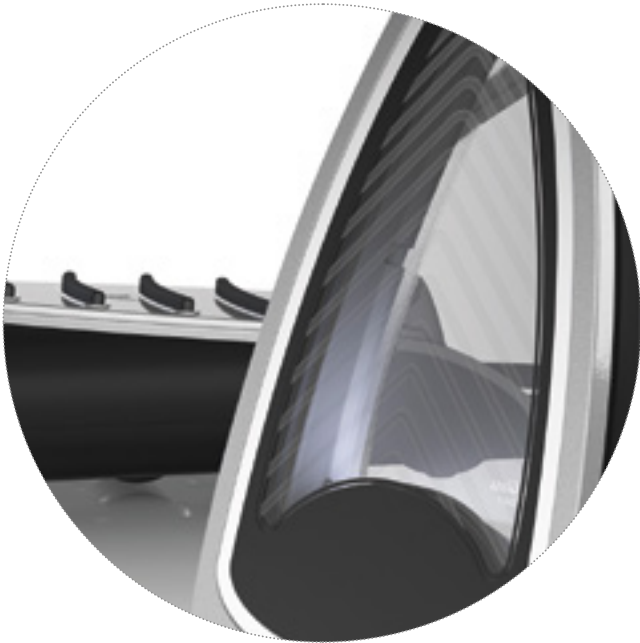
Chemically and mechanically resistant, making it very strong

Excellent thermal shock resistance

When faced with extreme conditions, this glass-ceramic simply will not budge.



Next



Designing the future

Glass-ceramic is versatile. In the future, this material will be found in many applications we are not even dreaming of today.

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Let's explore the many options this very special material has to offer.

What's your next milestone?

Kontakt

Andy Rinaldi
Product Manager NEXTREMA®



Downloads



SCHOTT NEXTREMA® product brochure



SCHOTT NEXTREMA® material flyer

Links



NEXTREMA® - discover new application opportunities



NEXTREMA® - more about its material properties
