

Press release

Low Firing Temperature: HeraCeram® Zirkonia 750

One ceramic designed for two different framework materials

Hanau, 6th March 2015 – **Heraeus Kulzer is debuting at IDS a veneering ceramic for zirconia that, due to its low firing temperature of 750°C, is also suitable for veneering framework materials such as lithium disilicate. HeraCeram® Zirkonia 750 thus supports flexible and efficient laboratory processes.**

"The development of HeraCeram Zirkonia 750 is based on more than 10 years clinical experience of HeraCeram Zirkonia", says Harald Kubiak-Eßmann, Product Manager Veneerings at Heraeus Kulzer. The coefficient of thermal expansion (CTE) of 10.2 to 10.5 µm/mk and the adhesive bonding mechanism of the new veneering ceramic are designed for zirconia. The ceramic thus exhibits ideal tension dynamics that stabilise rather than stress the restoration. Further, its low firing temperature of 750°C ensures reliable processing even with framework materials with low thermal stability. "Therefore, it is also compatible with lithium disilicate."

Relaxed for reliable results

Like all veneering ceramics in the HeraCeram system, the new compounds also feature the stabilised leucite structure (SLS). This makes them especially resistant to stress and provides them with greater protection against crack growth and chipping, without time-consuming slow cooling. The result is reliable restorations, including on zirconia dioxide. HeraCeram Zirkonia 750 follows the matrix aesthetic concept, which creates natural optical dynamics. The uniform layer and colour concept covers all HeraCeram ceramics and Signum composites, so the user doesn't need to change over when using different material classes.

Comprehensive range of products at IDS

Heraeus Kulzer is presenting HeraCeram Zirkonia 750 for the first time at the IDS 2015. The colour range includes 83 compounds, including 16 Dentine, 22 Increaser and 9 Opaltranspa compounds. At booth A010 – C019 in hall 10.1, interested visitors can convince themselves of the usage of HeraCeram ceramics.

Illustrations



Fig. 1: The new veneering ceramic HeraCeram® Zirkonia 750 is suitable for zirconia as well as lithium disilicate.



Fig. 2: Veneering is done using the proven layering concept for HeraCeram ceramics, whether on zirconia or on lithium disilicate, as shown here.

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More information about Heraeus Kulzer

- Special IDS page with product information and short clip:
www.heraeus-kulzer.de/ids2015
- Website with information on the company and products:
www.heraeus-kulzer.de
- YouTube channel with practical tips and tricks:
www.heraeus-kulzer.com/youtube
- HeraCeram page with advice on processing and background information:
www.heraeus-kulzer.de/heraceram and www.heraeus-heraceram.de.

About Heraeus Kulzer

Heraeus Kulzer GmbH is one of the world's leading dental companies with its headquarters in Hanau, Germany. As a trusted partner, the company supplies dentists and dental technicians with an extensive product range, covering cosmetic dentistry, tooth preservation, prosthetics, periodontology and digital dentistry. More than 1,400 employees at 25 locations worldwide are driven by their expertise and passion for the dental market and embody what the name Heraeus Kulzer stands for: service, quality and innovation. In 2013 Heraeus Kulzer's product turnover exceeded 400 million USD.

Heraeus Kulzer has been part of the Japanese Mitsui Chemicals Group since July 2013. Mitsui Chemicals Inc. (MCI) is based in Tokyo, and has 135 affiliates with more than 14,200 employees in 27 countries worldwide. Its innovative, practical chemical products are as much in demand in the automotive, electronics and packaging industries as they are in other fields such as environmental protection and healthcare.

Press contact:

Nina Mautner

Heraeus Kulzer GmbH

Global Marketing Communications

Gruener Weg 11

D-63450 Hanau

Phone: +49 (0) 6181/35 3162

nina-katrin.mautner@kulzer-dental.com

www.heraeus-kulzer.com