

**cercon** smartceramics®

A radiant smile! – with zirconium oxide restorations

Information for dentists

You can test it in  
your practice now!

Use this cerconoxid  
chip to check

- translucency
- strength
- preparation of the  
access cavity
- etc. ...



**DeguDent**

A Dentsply International Company



## A radiant smile! – with zirconium oxide restorations

Well over 500,000 dental crowns have already been fabricated using the Cercon® ZrO<sub>2</sub> all porcelain system.

# cerconoxid®

– highest quality ZrO<sub>2</sub> all porcelain





## Cerconoxid is reliable!

- Practice-orientated development
- Supplied as a system

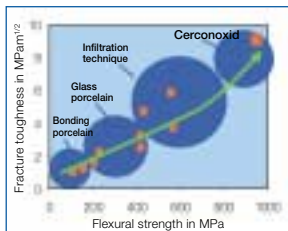
Basic research\* carried out by the ETH (Swiss Federal Institute of Technology) and the University of Zurich and development by DeguDent have ensured that Cercon is optimally tailored to the requirements of the practice. The CAD/CAM system also guarantees optimum processing of the Cercon base  $ZrO_2$  framework material to produce an accurate fit. A new product must be reliable if it is to replace a tried and tested product!

\*Clinical study of  $ZrO_2$  bridges in the posterior region, fabricated using the DCM system – Prof. Dr Schärer et al.: Acta Med Dent Helv, Vol 5: 12/2000

## Cerconoxid is a high strength material!

- High safety margin
- Wide range of indications

With an initial fracture strength of over **1200 MPa** the safety margin of  $ZrO_2$  is far greater than that of other framework porcelains. This result and other results relevant to the dental practice are included in our leaflet "Scientific Tests".





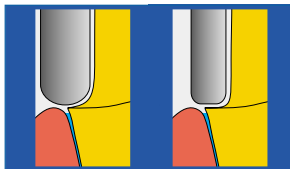
## Cerconoxid is easy to use clinically!

- Easy preparation
- Conventional cementation
- Preparation of the access cavity

You only have to prepare a **shoulder** or even a **slight chamfer** to meet the requirements for the indication of this all porcelain material.

The restoration is also fitted in the usual way by conventional cementation.

If necessary, a preparation of the access cavity can be easily made with a diamond instrument while still in situ.





## Cerconoxid is biocompatible!

- High biocompatibility
- Tooth-colored framework

The biocompatibility of porcelain as a dental material is unsurpassed.

The tooth-colored framework of Cercon in particular has contributed greatly in continued patient acceptance of their “new teeth”.



## Cerconoxid is aesthetic!

- Ideal facing porcelain
- Natural gingival adaptation

All porcelain has always been associated with perfect aesthetics and Cercon is the first choice for aesthetic restorations.

Cercon ceramic facing porcelain produces a natural, perfect finish to a white or ivory ZrO<sub>2</sub> framework and fully meets the expectations of you and your patients.





## Cercon smart ceramics – zirconia all porcelain system

<b>Framework material</b>	Zirconia <ul style="list-style-type: none"><li>■ Cercon base (white)</li><li>■ Cercon base colored (ivory)</li></ul>
<b>Facing porcelain</b>	Cercon ceram kiss Cercon ceram express
<b>Shade reproduction</b>	Build-up technique or staining
<b>Indications in the anterior and posterior regions</b>	<ul style="list-style-type: none"><li>■ Primary telescope crowns</li><li>■ Crowns</li><li>■ Multi-unit bridges with max. 47 mm anatomical length (with two pontics between the abutment crowns)</li><li>■ Inlay bridges</li></ul>
<b>Contraindications</b>	Bruxism and parafunctions resistant to treatment
<b>Temporary cementation</b>	Possible
<b>Permanent cementation</b>	Conventional cementation or adhesive luting



# Recommended preparation technique for Cercon restorations

## General information

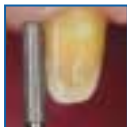


Pronounced 90° chamfer or shoulder preparation with rounded inner edges  
Circumferential preparation depth min. 1 mm

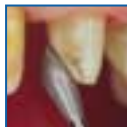
## Anterior restorations



Anterior preparation



Axial and incisal reduction



Palatal reduction

## Posterior restorations



Occlusal (min. 1.5 mm) and axial (min. 1 mm) reduction of the anatomical contour  
Occlusal surfaces at an angle between 120° and 140°  
Conical angle of the corresponding axial surfaces 3° – 4°



## For you and your patients

The following advertisement can be ordered with a simple click under e-mail:

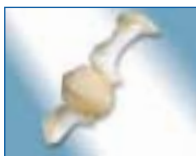
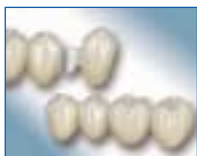
**[contact@cercon-smart-ceramics.com](mailto:contact@cercon-smart-ceramics.com)**

- Cercon information leaflet
- Clinical guide
- Scientific results
- Practice poster
- Patient leaflet

## For further information on Cercon smart ceramics

Single click:

**[www.cercon-smart-ceramics.com](http://www.cercon-smart-ceramics.com)**



Make sure that you are part of the growing market in all porcelain work. Take advantage of your patients' interest in the benefits of this material and choose the Cercon® zirconia (ZrO<sub>2</sub>) system.

**DeguDent GmbH**

P.O. Box 13 64 · 63403 Hanau  
GERMANY  
[www.degudent.com](http://www.degudent.com)

**DeguDent**

*A Dentsply International Company*