

# CERAMIC DENTAL SOLUTIONS

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CeramTec

DENSILOX®  
MATERIAL  
MATTERS®

## CERAMIC DENTAL IMPLANT SOLUTIONS

Thanks to excellent biocompatibility and enhanced aesthetic outcome, more and more implantologists and patients show a preference for ceramic implant materials.

Based on 45 years of development, manufacturing and testing of customized ceramic medical devices, CeramTec has become a trusted partner to develop your innovative zirconia implant solution.



1

### Strong\*

All DENSILOX® ceramic materials demonstrate high hardness as well as high fracture strength and toughness.

2

### Aesthetic\*

You can choose between a range of colours for an individual solution and for the highest aesthetic demand: natural white, ivory or 'gingiva pink'.

3

### Metal-free\*

All our ceramic materials are 100% metal-free.

## Less Bacteria Adhesion on Ceramics

Studies have shown that ceramic surfaces have low potential of bacterial colonization. The reduction of peri-implant plaque formation may simplify hygiene for the patient and prevent gum inflammations.\*

\*The mentioned claims are based on the long-term experience of ceramic materials/implants in dentistry as described in publicly available literature, mainly focusing on the use of zirconia materials (TZP).

### References

Piconi C, Maccauro G. Zirconia as a ceramic biomaterial. *Biomaterials*. 1999;20:1-25. doi:10.1016/s0142-9612(98)00010-6.

Gökçen-Röhlig B, Saruhanoglu A, Cifter ED, Evlioglu G. Applicability of zirconia dental prostheses for metal allergy patients. *Int J Prosthodont*. 2010;23(6):562-565.

Kajiwara N, Masaki C, Mukaibo T, Kondo Y, Nakamoto T, Hosokawa R. Soft tissue biological response to zirconia and metal implant abutments compared with natural tooth: microcirculation monitoring as a novel bioindicator. *Implant Dent*. 2015; 24(1):37-41. doi:10.1097/ID.0000000000000167.

Bächle M, Butz F, Hübner U, Bakalinis E, Kohal RJ. Behavior of CAL72 osteoblast-like cells cultured on zirconia ceramics with different surface topographies. *Clin Oral*

*Implants Res*. 2007;18(1):53-59. doi:10.1111/j.1600-0501.2006.01292.x.

Siddiqui DA, Guida L, Sridhar S, Valderrama P, Wilson TG Jr, Rodrigues DC. Evaluation of oral microbial corrosion on the surface degradation of dental implant materials. *J Periodontol*. 2019;90(1):72-81. doi:10.1002/JPER.18-0110.

Blaschke C, Volz U. Soft and hard tissue response to zirconium dioxide dental implants--a clinical study in man. *Neuro Endocrinol Lett*. 2006;27 Suppl 1:69-72.

Cosgarea R, Gasparik C, Dudea D, Culic B, Dannewitz B, Sculean A. Peri-implant soft tissue colour around titanium and zirconia abutments: a prospective randomized controlled clinical study. *Clin Oral Implants Res*. 2015;26(5):537-544. doi:10.1111/clr.12440.

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