

## Press release

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Pforzheim, May 2006

### **Aesthetic, economical and a perfect fit. Full-ceramic posterior bridge substructures in ECS®-ZIRCONIA**

**Nowadays it is of paramount importance to ensure that robust full-ceramic posterior substructures are manufactured in the most cost-effective way. But it is equally important that no compromises are made in terms of marginal accuracy or aesthetics.**

As a pioneer in the electrophoretic manufacture of full-ceramic substructures, C. HAFNER has extended its CeHa WHITE ECS® system, introduced to great acclaim at the last IDS, by adding further important material components.

In addition to the well-established material ALUMINA, ZIRCONIA is now for the first time being made available as a substructure material for electrophoretically manufactured full-ceramic restorations. ZIRCONIA offers existing ECS® users yet a further high strength material with a range of clinical indications which include three-unit posterior bridge substructures.

"With the ECS process we have passed the rigid testing procedure of VITA Zahnfabrik and are the only company to have been granted exclusive approval for its electrophoretic deposition process," Heiko Grusche, Product Manager of C. HAFNER is proud to report. "ZIRCONIA even exceeds the already excellent strength properties of ECS®-ALUMINA. In addition, the material is just as cost-effective and just easy to use as the more familiar ALUMINA."

ECS®-ZIRCONIA is supplied in pre-dosed packs of 45 g each together with the appropriate quantity of mixing liquid in pre-filled ampoules. This makes it easy for the user to prepare the slip and saves both time and money.

What is more, the ZIRCONIA Kit for ECS® also includes an additive for preparing the slip and two light shades of infiltration glass powder.

Like ALUMINA, ZIRCONIA can be veneered with a veneering ceramic compatible with the CTE range of the substructure material, i.e. from 7.2 to 7.9  $\mu\text{m}/\text{mK}$ . To meet this requirement, the material CeHa WHITE® AL will be available as a system component from July.

With ECS® it is possible to carry out a wide range of daily laboratory work in full ceramics. The key arguments in favour of this innovative system are cost-effective production and the added value creation this brings to the laboratory.

After more than 15 years of clinical application, ALUMINA and ZIRCONIA are the best researched and most proven full ceramic materials on the dental market. By taking advantage of the CeHa WHITE ECS® electrophoretic deposition system, these materials are now being made available for an even broader range of applications on the market.

Fig. 1: Zirconia Kit – for fabricating aesthetically pleasing full ceramic substructures with a high marginal accuracy in zirconium oxide.

Fig. 2: Dr. Enno Bojemüller of VITA Zahnfabrik (right) presents Heiko Grusche of C. HAFNER (left) the approval certificate for electrophoretic substructures made from ZIRCONIA and ECS.

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Fig. 1



Fig. 2