



# Cimara®

MATERIAL FOR CERAMIC REPAIR WITH  
LIGHT-CURING COMPOSITE

## INTRAORAL ACID-FREE REPAIR OF VENEERS IN ONLY ONE SESSION

Tooth-coloured crowns and bridges are standard treatments in dentistry today. Due to their outstanding material characteristics and, in particular, the possibility to reproduce almost any shade of teeth, ceramic materials are by far the most frequently used for these types of restorations. Thus (all-) ceramic solutions have become the epitome of high-quality dental restorations. But despite their high strength, mechanical influences, some of which can occur already during the process of fabrication, are very well able to damage or even render unusable ceramic veneers or all-ceramic-restorations.

Fractures and visible damage of ceramic veneers can create an unpleasant situation for the dentist as well as the patient. Such damage can be remedied by replacing the restoration, a procedure which is always associated with time-consuming and complicated clinical procedures with corresponding costs.

Repairing the ceramic facing with Cimara, on the other hand, offers a cost-efficient, quick and “invisible” alternative. One great advantage of this procedure is the fact that the restoration does not need to be removed. Removal may cause further damage to the restoration and may even result in the need to construct a completely new prosthesis. By contrast, the amount of time required for a Cimara restoration equals approximately only that necessary to model the corner of a natural anterior from composite.

Using Cimara you will achieve a permanent and gap-free bond between ceramic or metal and composite. And since Cimara can be combined with any light-curing composite (e.g. GrandioSO, Amaris), the repair system meets every aesthetic demand. A specific formula makes Cimara highly stress-resistant and it shows excellent bond strength in a shear test.

The Cimara set contains all materials necessary for the repair work: coupling silane, adhesive, Opaquer LC, GrandioSO Caps (A1, A2, A3, A3.5, B2, GA3.25). Also included is a special grinding bur (SiC Grinding Bur), which is used to achieve the required conditioning of the ceramic surface around the defect. The use of (hydrofluoric) acid when working with Cimara is not necessary!

The repair of a ceramic veneer requires only a few steps:

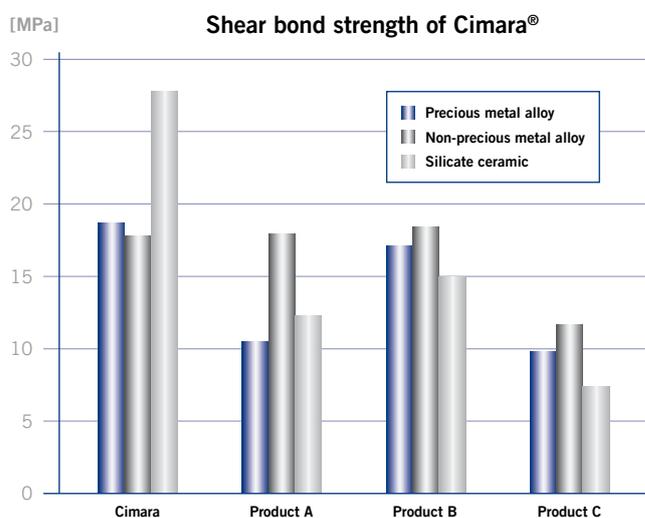
- Smoothing the ceramic surfaces around the defect
- Conditioning the veneer ceramic surfaces with the SiC Grinding Burs included in the sets

### Using the SiC Grinding Bur

- The use of cofferdam (absolutely dry work area) is recommended
- Use the grinding bur with a rotational speed of 6.000 - 10.000 rpm
- Condition the area in dry conditions and with little pressure

### Use of Cimara® on metal ceramic restorations

- Applying the coupling silane
- Covering the exposed metal frame with Cimara Opaquer LC and light polymerisation
- Applying Cimara Adhesive and light polymerisation
- Filling the defect with the composite GrandioSO
- Finishing and polishing concludes the restoration



Source: in-house measurements

Cimara®

SIMPLY PRACTICAL



1

Fracture of a ceramic veneer



2

Roughening the metal surface and chamfering the ceramic margins to a width of 2 mm using a diamond bur



6.000 - 10.000 RPM

3

Conditioning the ceramic margins with the SiC Grinding Bur



120 sec.

4

Coating the ceramic margins and metal surfaces with a thin layer of Cimara coupling silane. Letting it air dry for approx. 2 minutes



5

Thin coating with Cimara Opaquer LC. Light-curing for 40 seconds



6

Coating the prepared surface with a thin layer of Cimara, finely dispersing it with a gentle stream of air and light-curing for 20 seconds afterwards



7

Applying the light-curing composite in accordance with the instruction for use



8

A restored, attractive, aesthetic restoration

## Cimara®

### REPAIR RATHER THAN REPLACE

#### Cimara®

##### Indications

Intraoral repairs of defects in ceramic or composite veneer, fixed prosthetic work with metal frames

##### Advantages

- Acid-free ceramic repair at one session
- There is no need to remove and re-attach the restoration
- Simple processing steps with no additional equipment required
- Permanent bond between ceramic and composite
- High shear bond strength

##### Presentation

- REF 1196 Set coupling silane 8 × 0.3 ml, adhesive bottle 4 ml, Opaker LC syringe 1.2 g, GrandioSO Caps 8 × 0.25 g (A1, 2 × A2, 2 × A3, A3.5, B2, GA3.25), accessories
- REF 1197 Coupling silane 4 × 0.3 ml, accessories
- REF 1198 Adhesive bottle 4 ml
- REF 1575 Opaker LC syringe 1.2 g, accessories

#### SiC Grinding Bur

##### Indications

Conditioning of silicate and oxide-ceramic bonding surfaces for intraoral repairs of defects in ceramic veneer and all-ceramic restorations

##### Advantages

- Homogeneous grain
- High-strength, stainless shaft
- Optimum bond hardness

##### Presentation

- REF 1201 4 pcs.



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