

UNLIMITED POSSIBILITIES IN THE COMPOSITE TECHNOLOGY

Light-curing materials for restorations of teeth, like micro-filled veneering materials have excellently performed in clinical practice and have become standard due to their excellent properties and easy handling.

As a manufacturer of direct and indirect filling and veneering composite systems SHOFU set new standards for light-curing materials, because these materials fulfil the clinical demands of dentist, dental technician and patient in physical and aesthetic respect to their fullest satisfaction.

The acquired knowlegde and many years of experience led to the development of a new material, which combines the advantages of ceramics and composite – CERAMAGE.

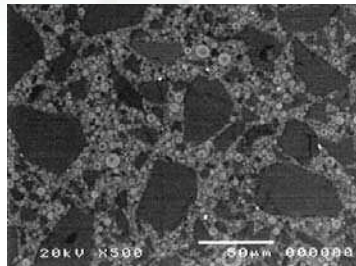
CERAMAGE is not comparable to conventional composite materials, because it is filled with micro-fine ceramic for more than 73 % (PFS filling-materials, Progressed Fine Structured Filler).

This composition, supported by a filling organic polymermatrix, strengthens this homogenous structure and gives CERAMAGE properties similar to those of ceramics, to be used for metal-supported as well as metal-free anterior and posterior restorations.

Additional to the physical properties a light transmission very close to that of natural dentine and enamel had been integrated into CERAMAGE.

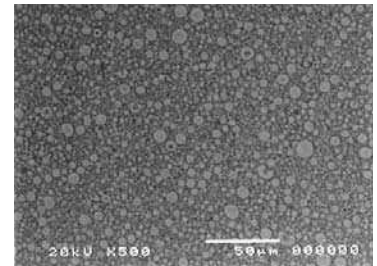
Therefore CERAMAGE combines a natural color reproduction with extraordinary strength and elasticity and is recommended for standard works as well as highly stressed restorations and implantation constructions.

Conventional Composite



Conventional composites show unequal relations between glass-fillers and matrix.

CERAMAGE



The homogenous micro-structure gives CERAMAGE properties similar to those of ceramics.

- Excellent bending and pressure strength
- Highly strong but elastic
- Realisation of abrasion resistance of occlusal veneerings
- Highest aesthetics by light transmissions similar to that of natural teeth
- Extensive range of translucent effect colors
- High color stability
- Perfect viscosity and modelling properties
- Very good to polish
- Excellent resistance against plaque
- Biologically not harmful

UNRESTRICTED INDICATIONS IN ANTERIOR AND POSTERIOR REGIONS

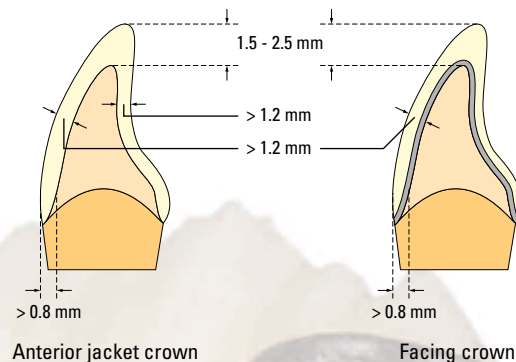
For each indication the right material

Ich bin Blindtext. Von Geburt an. Es hat lange gedauert, bis ich begriffen habe, was es bedeutet, ein blinder Text zu sein: Man macht keinen Sinn. Man wirkt hier und da aus dem Zusammenhang gerissen. Oft wird man gar nicht erst gelesen.

- Fully veneered crowns and bridges
- Fully veneered telescopic and implantation works
- Attachment works
- Occlusal veneering
- Inlays / Onlays
- Veneers
- Long-term temporary restorations
- Modification of conventional acrylic teeth

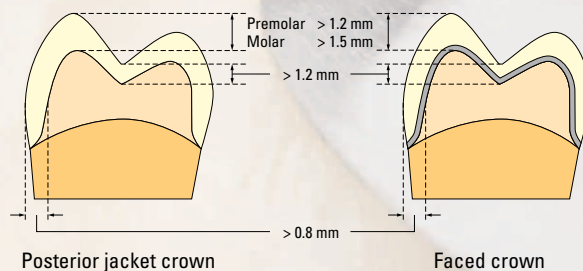
Anterior restorations

Aber bin ich deshalb ein schlechter Text? Ich weiß, daß ich nie die Chance haben werde, im Stern zu erscheinen. Aber bin ich darum weniger wichtig? Ich bin blind!



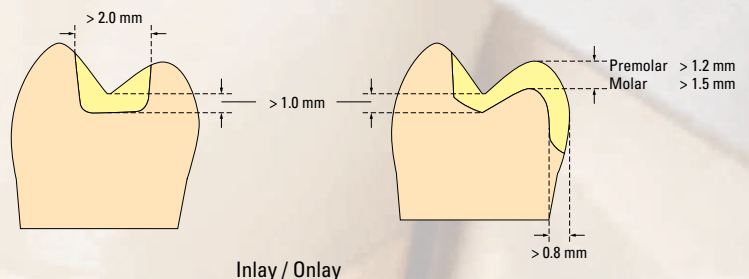
Lateral restorations

Ich bin Blindtext. Von Geburt an. Es hat lange gedauert, bis ich begriffen habe, was es bedeutet, ein blinder Text zu sein: Man macht keinen Sinn. Man wirkt hier und da aus dem Zusammenhang gerissen.



Inlays / Onlays

Aber ich bin gerne Text. Und sollten Sie mich jetzt tatsächlich zu Ende lesen, dann habe ich etwas geschafft, was den meisten „normalen“ Texten nicht gelingt.



CHARACTERISTAL PROPERTIES

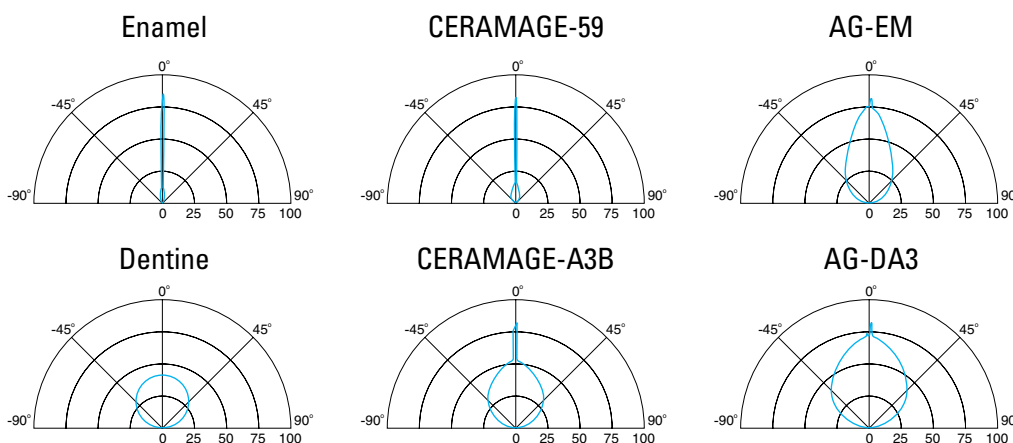
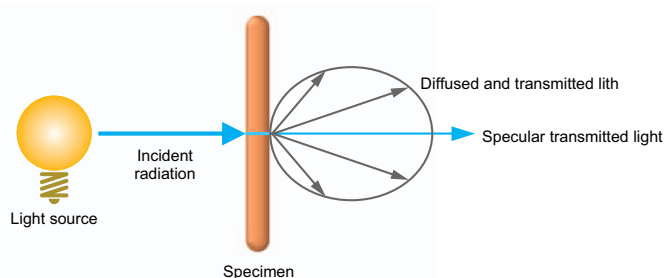
Naturally light leading and abrasion strength

The natural appearing and the light scattering of dentine and enamel is different. In order to reproduce these properties as natural and easy as possible it had been necessary to create a new composition of filling materials, of their size and structure as well as their optical properties when developing CERAMAGE.

The light-transmission and – diffusion of the CERAMAGE incisal and dentine compounds is therefore very similar to that of natural teeth.

Already with a basis layering, consisting of opaque dentine, dentine and incisal compounds you reach a natural aesthetics unattained until now for composite restorations.

Principle of measuring transmission and diffusion of light



Highly strong and elastic

CERAMAGE provides an extraordinary combination of elasticity and abrasion strength. Harder as other light-curing composites, it is extremely rupture-resisting but considerably more elastic than ceramics. Therefore CERAMAGE is an excellent solution for durable lateral restorations.

