Personalised Layering

The additional compounds Increaser, Enhancer and Mask expand the design possibilities of a standard layering for custom characterisations oriented to the shade guide tooth and also ensures natural and colourful aesthetics when there is very little space available.

Fig. 30 Amazing “custom” results can be achieved in just a few easy steps.

They are orientated on the 16 dentine shades A1–D4 and exhibit increased chroma and lower transparency in comparison to dentine ceramics.

Fig. 31 (Teeth: 13–23): Increasers enhance the chroma and are placed in critical areas such as the cervical area or other regions, if necessary without further layering, or wherever a base has to be masked properly even where only limited space is available. Light optical distinct borders at the incisal ends of frameworks can be avoided by slightly over contouring with Increasers.

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This provides the user with more control over the shade effect wherever space is limited, such as in the cervical region, or for masking frameworks in the incisal region.

Optical differences caused by very different layer thicknesses, such as on pontics, can also be harmonised very well.

For distinctive (patient-oriented) characterisations and individual modifications, 6 highly chromatised increasers are available.

A full shade configuration chart for HeraCeram ceramics is shown in shade combination section on page 44.

Fig. 32 Crown contours built up fully with dentine.

Fig. 33 Increaser shade guide.
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Personalised layering.

Enhancer
Enhancers are customised transparent ceramics with which the hue or brightness of the layering can be influenced slightly but without affecting the character of the shade.

This enables the typical shade tones of central and lateral incisors as well as canines to be reproduced easily. Even those deviations in shade which cannot be shown on a shade guide can be achieved in a controlled manner using the 6 Enhancers.

Fig. 34 The effect created by Enhancers. Once the dentine has been cut back, the mamelons are formed smoothly with a brush. After that…

Fig. 35 ...the correct incisal ceramic for the shade is applied and feathered toward the dentine body. The restoration is then customised by completing the build up with Enhancers. This may involve…

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Fig. 36 … for example, lightening the central incisors with a thin layer of EH bright. The lateral incisors are provided with neutral transparency using EH neutral ceramic and the surfaces of the canines turned reddish with EHA, yellowish with EHB or greyish with EHC.

Fig. 37 The outcome of applying Enhancer viewed from various perspectives: Despite only requiring minimal effort and working with virtually standardised build up techniques, the restorations are attractively aesthetic.
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**Mask**
Incisal like ceramic with increased opacity, balances the transparency so that on the one hand, the in depth effect is retained yet on the other hand the structure of the frameworks can no longer be perceived. MA bright and MA shadow can also be used to modify the brightness of the facing.

Fig. 38 The Mask components and a typical example of how they are applied: After the body has been built up and cut back...

Fig. 39...a thin layer of Mask material is applied to the incisal area of the dentine to mask the undersized framework.
Fig. 40 Then the mamelons are cut out ...

Fig. 41 ... and built up again as usual using incisal and transparent materials.

Fig. 42 With only minimal yet efficient effort, results can be achieved which, are a pleasure to see.

www.kulzer.com/video_heraceram_p_finalising
The Increaser Set and the Enhancer Set can also be used for building up posterior restorations.

Fig. 43 Opaqued crowns.

Fig. 44 The so called “fish mouth” has been built up with dentine.

Fig. 45 Modifier such as Increaser Orange (IN O) has been inlaid to create an in depth effect in the occlusal depth.
Fig. 46  The dentine is extended over the modifier and the external aspects are cut back.

Fig. 47  Enhancer neutral (EH Neutral) is then applied to increase the transparency.

Fig. 48  Fully built up crowns with incisal and Enhancer materials and EH bright on the cusp tips.
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Fig. 49 Crowns after the first firing.

Fig. 50 Corrections carried out with Enhancer EH neutral.

Fig. 51 Crowns after the second firing.
Fig. 52. Crowns after trimming with diamond burs and silicone polishers.

Fig. 53. Staining with HeraCeram stains.

Fig. 54. After the glaze firing.