HeraCeram cre-active

be cre-active

Workbook

for next level aesthetic finishing
of ceramic restorations

KULZER
MITSUI CHEMICALS GROUP

What's Inside

be cre-active

Developed in close collaboration with experienced dental technicians, HeraCeram cre-active is designed to enhance the aesthetics of your ceramic restorations with efficiency and artistic control.

Unlock your creativity and streamline your process with HeraCeram cre-active. This workbook will guide you through the techniques and possibilities. Discover how HeraCeram cre-active can help you achieve stunning, natural-looking restorations with greater efficiency than ever before.

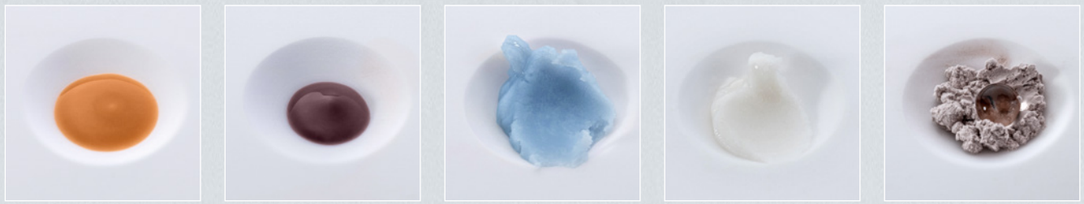
2D/3D liquid ceramics

*HeraCeram cre-active 2D Milk

*HeraCeram cre-active Gingiva 3D G2-4

This versatile portfolio offers a range of 2D and 3D liquid ceramic components, enabling you to customize both the pink and white aesthetics of your restorations with meticulous detail. Whether you prefer standard staining techniques or advanced hybrid micro-layering concepts, HeraCeram cre-active adapts to your individual style. The user-friendly consistency of the materials allows for easy application and seamless integration into your existing workflow. With HeraCeram cre-active, you can create restorations that exhibit lifelike fluorescence, opalescence, and translucency – even in thin layers.

Easy. Efficient. Perfect.

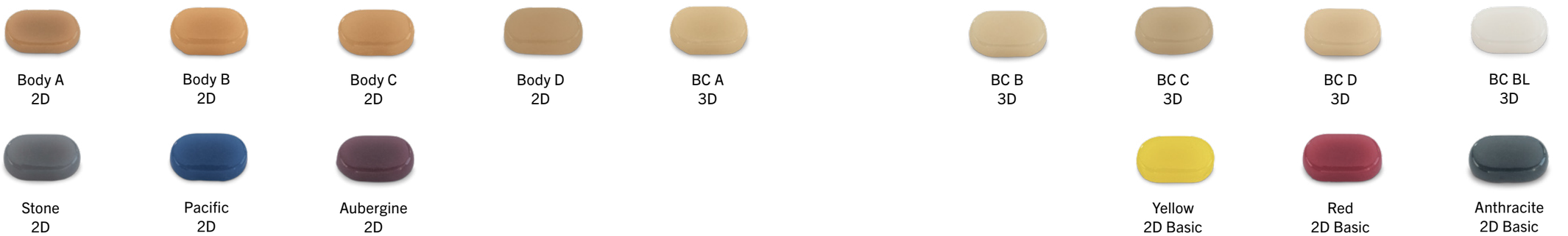


7 out of 56 liquid-ceramic masses

HeraCeram cre-active **Opaque (2D)**

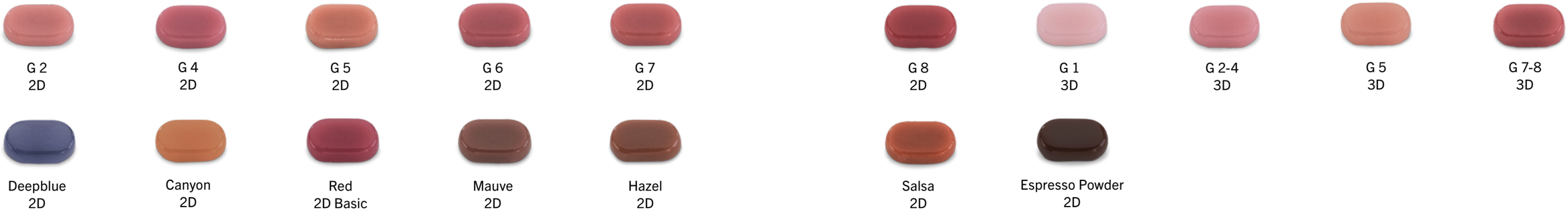
Milk 2D
Vanilla 2D
Curry 2D
Amber 2D
Peanut 2D
Cacao 2D
Coffee 2D
Avocado 2D
Espresso Powder 2D

HeraCeram cre-active **Translucent (2D/3D)**



Body A 2D
Body B 2D
Body C 2D
Body D 2D
BC A 3D
BC B 3D
BC C 3D
BC D 3D
BC BL 3D
Stone 2D
Pacific 2D
Aubergine 2D
Yellow 2D Basic
Red 2D Basic
Anthracite 2D Basic

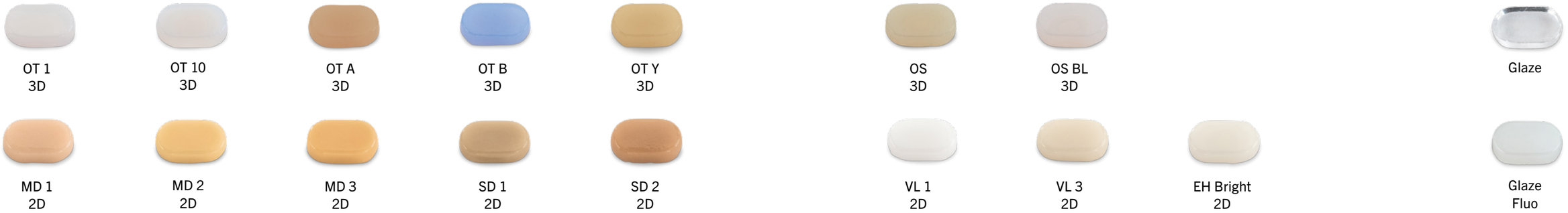
HeraCeram cre-active **Gingiva (2D/3D)**



G 2 2D
G 4 2D
G 5 2D
G 6 2D
G 7 2D
G 8 2D
G 1 3D
G 2-4 3D
G 5 3D
G 7-8 3D
Deepblue 2D
Canyon 2D
Red 2D Basic
Mauve 2D
Hazel 2D
Salsa 2D
Espresso Powder 2D

HeraCeram cre-active **Matrix (2D/3D)**

Glaze



OT 1 3D
OT 10 3D
OT A 3D
OT B 3D
OT Y 3D
OS 3D
OS BL 3D
Glaze
MD 1 2D
MD 2 2D
MD 3 2D
SD 1 2D
SD 2 2D
VL 1 2D
VL 3 2D
EH Bright 2D
Glaze Fluo

Refer to page 54 for extended shade content.

technically perfect

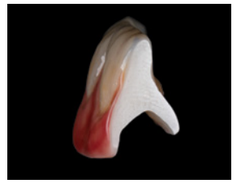
- 2D and 3D liquid ceramic components in different translucency and opacity settings for advanced detailing
- User-friendly consistency and shade stability for convenient, reproducible application (e.g. wet-on-wet application)
- Comparable results before and after firing

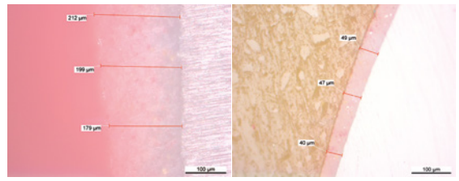
Tooth 21 – before firing: The user-friendly processing consistencies enable easy wet-on-wet application without the formation of puddles or clouds. Tooth 11: Monolithic zirconium dioxide framework – initial situation

Tooth 21 – after firing: The high colour and dimensional stability of the paste-like materials guarantees comparable results before and after firing.

Simply increase the brightness with HeraCeram cre-active 2D EH Bright. The translucency is retained.

Easy adaption of chroma and translucency.
Left: pure monolithic zirconium dioxide framework
Right: finished restauration in 1 firing using HeraCeram cre-active 2D masses





With the 2D and 3D materials, dynamic results in pink and white aesthetics can be achieved intuitively – thanks to the impressive color stability and opacity even in extremely thin layers. (2D stains: ~ 40 µm, 3D texture pastes: ~ 212 µm, source: Kulzer R&D).

Showcases made by Ahmadreza Maleki and Thomas Backscheider.

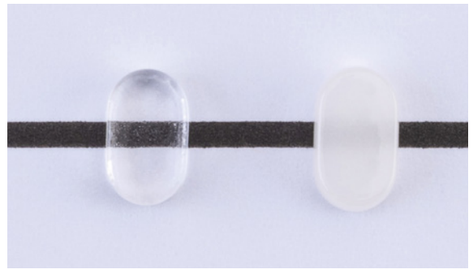
optically perfect

- Create natural light-dynamic effects (fluorescence, opalescence) even in thin layers
- Upgrade the aesthetics of monolithic restorations with lifelike properties for nature-like restorations on the model as well as in the patient's mouth
- Impart depth, translucency and natural surface structures

All-ceramic restauration in transmitted light: zirconium dioxide framework – initial situation (tooth 21) vs. aesthetically finished with HeraCeram cre-active 2D and 3D materials (tooth 11).

Stunning light-dynamic effects created by opalescent HeraCeram cre-active 3D Opal Transpa masses (OT).

HeraCeram cre-active
Glaze (left) and Glaze Fluo (right)



Day-light conditions

UV-light conditions

The HeraCeram cre-active product range offers a variety of 2D and 3D materials with which fluorescence can be actively controlled, as shown for example by the two Glaze pastes: Glaze (left) and Glaze Fluo (right) under Day-light and UV-light conditions.

Showcases made by Ahmadreza Maleki and Thomas Backscheider.

simply perfect

- Versatile application concepts for pink & white aesthetics
- Covers techniques from standard staining to advanced hybrid micro-layering
- Intuitive integration into the existing HeraCeram product philosophy

Our Application Concepts Aesthetic Finishing

FAQ

Video Tutorials, Tips & Tricks
A large selection of video tutorials for HeraCeram cre-active can be found at: **kulzer.com/heraceram-creactive-videos**
Or join one of our HeraCeram hands-on courses!

Product Consistency

Mixing before use
Stir HeraCeram cre-active 2D, 3D or Glaze / Glaze Fluo (paste) components well with a metal-free spatula before each use! Due to their ceramic base, the pastes can sediment from the liquid. Do not pour surplus liquid out of the container. Mix it back into a paste. The pastes become softer with movement and easy to work with.

Consistency adjustment
The consistency of the material may vary depending on the room temperature.
The consistency of the HeraCeram cre-active 2D and 3D pastes can be individually adjusted by carefully adding HeraCeram cre-active Liquid (CAL) or HeraCeram cre-active Glaze / Glaze Fluo (paste) components.

Prolonged storage
If the consistency of the HeraCeram cre-active 2D or 3D pastes or HeraCeram cre-active Glaze / Glaze Fluo pastes becomes drier and thus firmer due to prolonged storage, the viscosity can be readjusted by carefully adding the HeraCeram cre-active Liquid (CAL).

Liquid

Which to use
HeraCeram cre-active Liquid (CAL) must be used. The use of staining liquids or thinner liquids on ceramic lines manufactured by competitors is not indicated.

How to use
The consistency of the HeraCeram cre-active 2D and 3D pastes can be individually adjusted by carefully adding HeraCeram cre-active Liquid (CAL) or HeraCeram cre-active Glaze / Glaze Fluo (paste) components.

Product Application

Surface preparation
The surface of the restoration for customisation must be developed, i.e. contours and surface structures must be designed using diamond abrasives or indicated rotating instruments. Prepare the zirconium dioxide after milling resp. lithium disilicate frameworks after milling or pressing in acc. to the manufacturer's Instructions for Use. Unless otherwise specified in manufacturer's Instruction for Use treat zirconium dioxide with 110 – 125 µm and lithium disilicate using 50 µm disposable blasting corundum (Al_2O_3).The recommended jet pressure is 2 bar. Afterwards, remove any grinding dust and impurities from the surface, e.g. with a steam jet.

Layer thickness
HeraCeram cre-active 3D components can be applied in a layer thickness of 0.1 – 0.3 mm over the individually stained or glazed surface. For a layer thicknesses over 0.3 mm on zirconium dioxide or lithium disilicate, the layering ceramic indicated for the respective framework material should be used (e.g. HeraCeram Zirkonia 750)!

Application of HeraCeram cre-active 2D / Glaze / Glaze Fluo components
The fully developed restoration can be individually characterised using various HeraCeram cre-active Glaze / Glaze Fluo and HeraCeram cre-active 2D masses. The components can be combined/ mixed individually with each other. Stir all paste compounds well with a metal-free spatula before each use.
Due to their ceramic base, pasty masses can sediment from the liquid. HeraCeram cre-active 2D Espresso as well as HeraCeram cre-active Glaze and Glaze Fluo components are available in powder form. To prepare the ready-to-use powder masses, the ceramic powders are mixed with HeraCeram cre-active Liquid (CAL). Wetting the ceramic surface with HeraCeram cre-active Liquid (CAL) makes the layering and colour impression more visible.

Application of HeraCeram cre-active 3D components
Before applying the HeraCeram cre-active 3D components, the surface must already be wetted and fired with a layer of HeraCeram cre-active 2D or HeraCeram cre-active Glaze / Glaze Fluo compound. On zirconium dioxide or lithium disilicate framework surfaces alternatively HeraCeram Zirkonia 750 Adhesive can be applied with a brush in an evenly thin layer (wash) and fired under vacuum (see firing chart in HeraCeram Zirkonia 750 Instructions for Use). Stir HeraCeram cre-active 3D components well with a metal-free spatula before each use. Due to their ceramic base, pasty masses can sediment from the liquid. Afterwards apply the desired HeraCeram cre-active 3D mass and model it into the desired shape with a clean brush. The components can be combined/ mixed individually with each other. The consistency of the HeraCeram cre-active 3D pastes can be individually adjusted by carefully adding HeraCeram cre-active Liquid (CAL) or HeraCeram cre-active Glaze / Glaze Fluo components. The optimum layer thickness of the HeraCeram cre-active 3D materials are 0.1 to max. 0.3 mm.

Working environments

Avoid impurities
Pay attention to the cleanliness of the brushes, metal-free spatula and working environment.
Any contamination from the outside can have a negative influence to the aesthetic result after firing.
Danger of impurities!

Storage

Storage conditions
Carefully reseal the container after removing the product to avoid contamination, clumping and drying out.
No special storage conditions required.

Prolonged storage
If the consistency of the HeraCeram cre-active 2D or 3D pastes or HeraCeram cre-active Glaze / Glaze Fluo pastes becomes drier and thus firmer due to prolonged storage, the viscosity can be readjusted by carefully adding the HeraCeram cre-active Liquid (CAL).

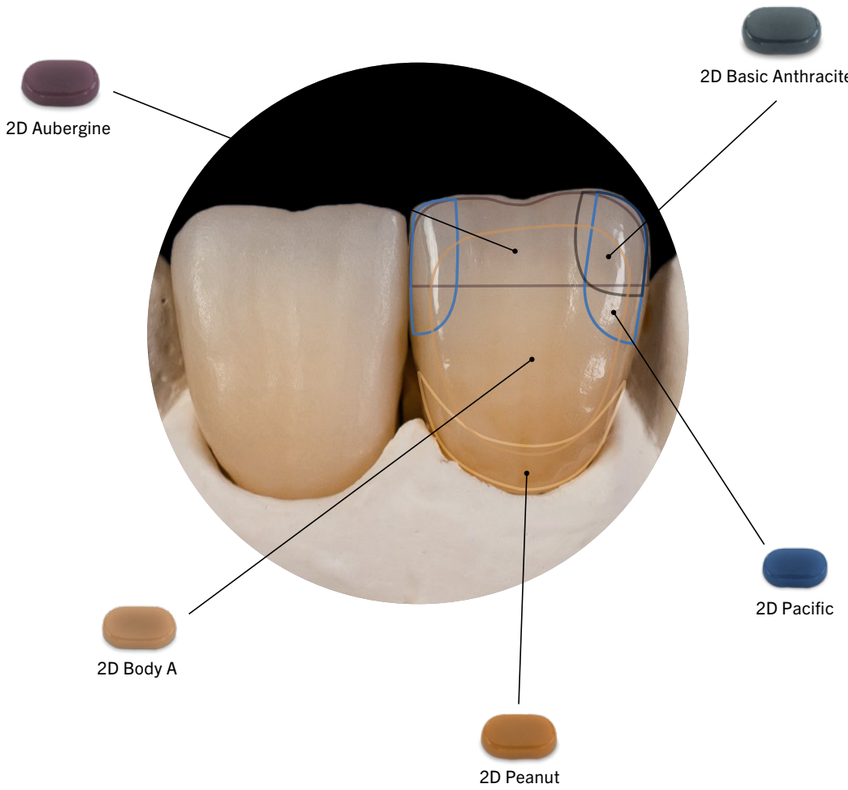
just stain

* HeraCeram cre-active 2D Curry

Standard Staining Concept

Elevate your monolithic restorations with HeraCeram cre-active's „Just stain" concept. Achieve stunning results effortlessly in only 1 firing using our 2D liquid ceramic stains.

standard staining
of central incisor
in 1 firing

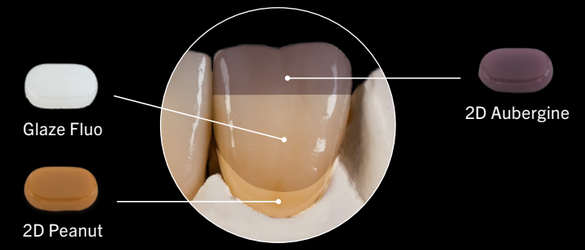


Workflow:

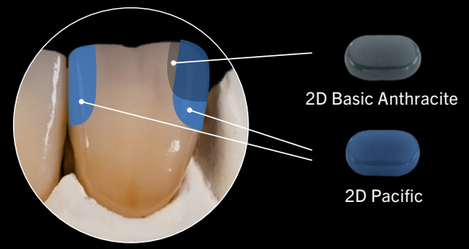
2D Staining
White Aesthetics

video tutorial

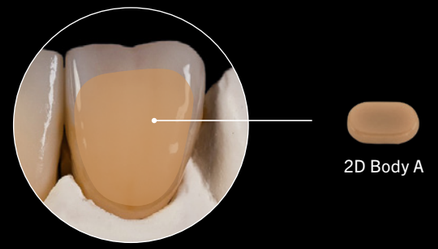
1. Initial situation: Monolithic multi-layer zirconium dioxide framework in A3 – ready for individualization



2. Thinly coat the entire surface with HeraCeram cre-active **Glaze Fluo** to gain fluorescence effect. Apply HeraCeram cre-active **2D Peanut** in cervical area to enhance the chroma. Create translucency effect in incisal area with HeraCeram cre-active **2D Aubergine**.



3. To enhance translucency effect: Apply HeraCeram cre-active **2D Basic Anthracite** distally and blend out towards the incisal edge. Apply HeraCeram cre-active **2D Pacific** mesially & distally and spread towards the incisal edge.



4. Staining of the body area with HeraCeram cre-active **2D Body A** to adapt tooth colour according to Vita* Classic Shade Guide.

2D

Tooth 21: Initial situation / Tooth 11: Final result after staining with HeraCeram cre-active realised in 1 firing. Created by Dental Technician **Thomas Backscheider.**

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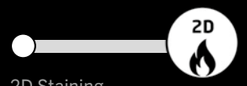
finest finish.

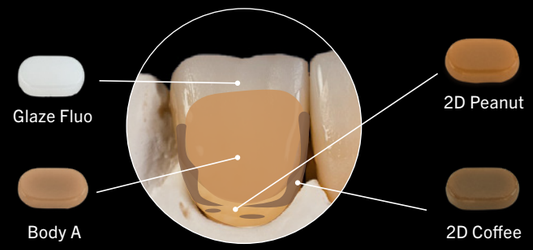
* HeraCeram cre-active 2D Pacific

Personalised Staining Concept
Unlock your artistic potential with HeraCeram cre-active's tutorials, featuring expert tips and tricks for individualized restorations.

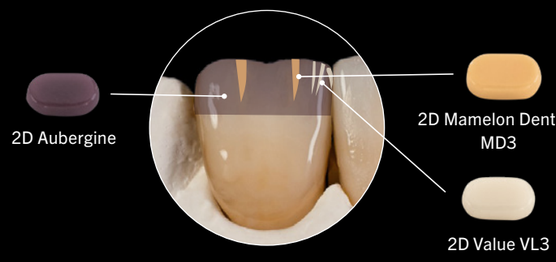
Workflow:



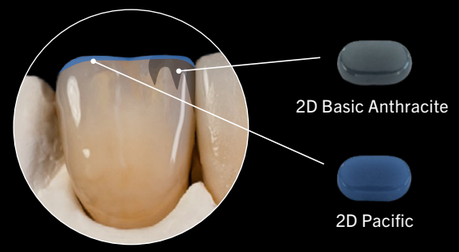
1. Initial situation: Monolithic multi-layer zirconium dioxide framework in A3 – ready for individualisation.



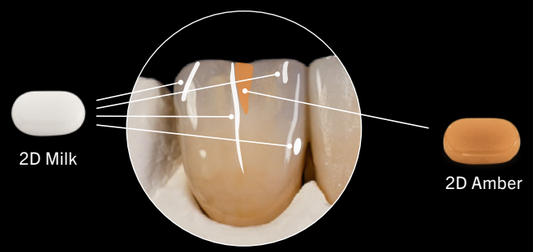
2. Thinly coat the entire surface with HeraCeram cre-active **Glaze Fluo** to gain fluorescence effect. Strengthening chroma in cervical area: Staining of the body area with HeraCeram cre-active **2D Body A** to adapt tooth colour according to Vita* Classic Shade Guide and application of HeraCeram cre-active **2D Peanut** in cervical area. Draw fine lines with HeraCeram cre-active **2D Coffee** in approximal and cervical area.



3. Create translucency effect and contrast in incisal area with HeraCeram cre-active **2D Aubergine**. Create mamelon structure with HeraCeram cre-active **2D Mamelon Dentine MD3** and increase contrast with HeraCeram cre-active **2D Value VL3**.



4. Enhance translucency effect on distal incisal area with HeraCeram cre-active **2D Basic Anthracite**. Create translucency effect on incisal edge and in the mesial area to gain incisal depth with HeraCeram cre-active **2D Pacific**.

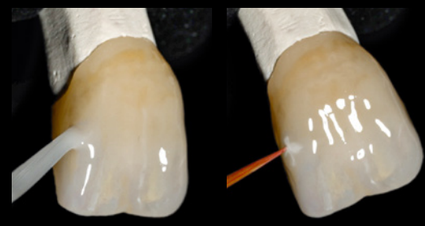


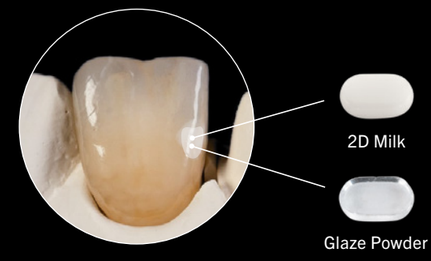
5. Create enamel cracks with HeraCeram cre-active **2D Milk** and enhance chroma in incisal area with HeraCeram cre-active **2D Amber**.

video tutorial

6. Final result after HeraCeram cre-active 2D firing.

Extra: Enamel Spot





7. Mix HeraCeram cre-active **Glaze Powder** with HeraCeram cre-active **Liquid (CAL)** to prepare ready-to-use powder mass and apply the mass to prepare for the creation of an enamel spot. Create enamel spot by mixing in HeraCeram cre-active **2D Milk** in Glaze mass.

8. Final result of enamel spot.

9. Final result after staining with HeraCeram cre-active in 1 firing.
Tooth 21: Personalised staining. Tooth 11: Standard staining (see page 18/19).
Created by Dental Technician **Thomas Backscheider.**

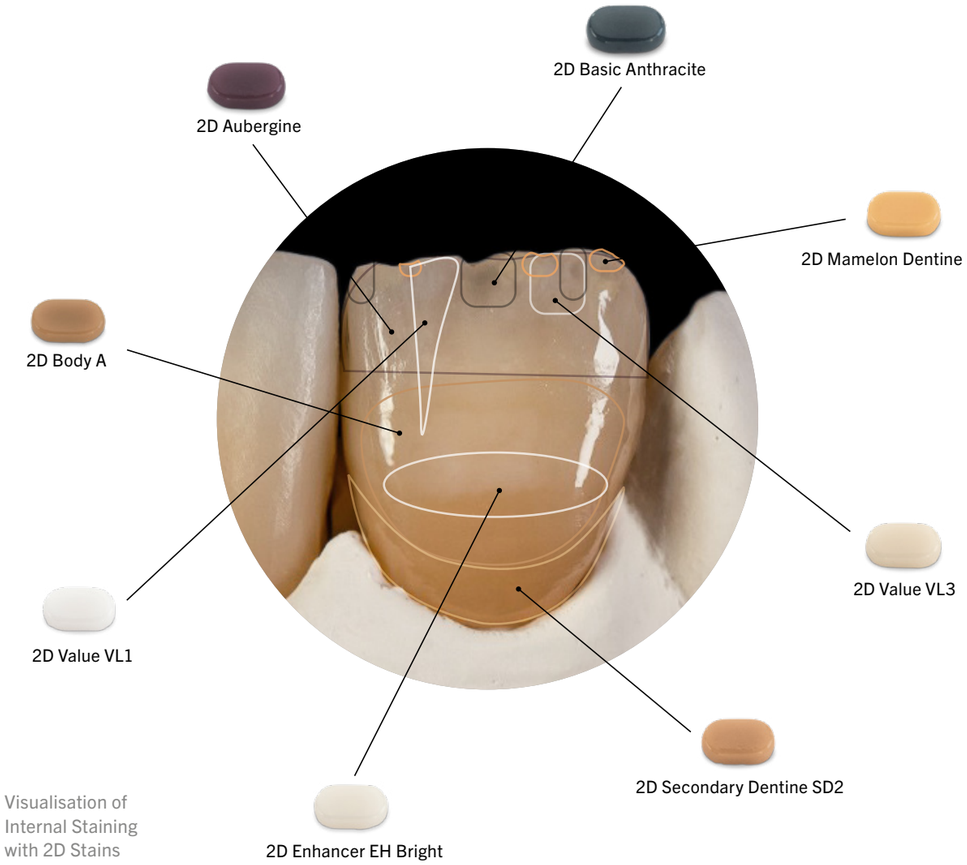
* HeraCeram cre-active 3D Opal Transpa OTB

magic matrix

3D Matrix Concept

Discover the magic of HeraCeram cre-active's matrix materials. Our tutorial reveals the secrets to creating exceptional light-dynamic effects for truly lifelike restorations.

3D matrix concept
aesthetic finishing of central incisor in 3 firings



Visualisation of Internal Staining with 2D Stains

Workflow:

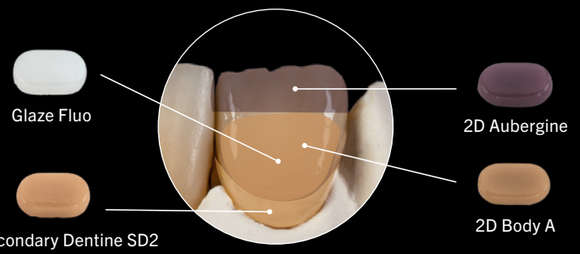
Internal Staining with 2D Stains

Individualisation with 3D Masses

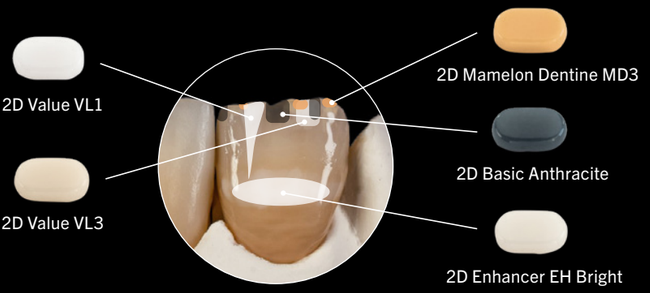
Finishing with 2D Stains

video tutorial

1. Initial situation:
Tooth 11: Minimal reduced zirconium dioxide multi-layer framework in A3 – ready for individualization.
Tooth 21: Full anatomic zirconium dioxide multi-layer framework for comparison.



2. Apply a thin layer of HeraCeram cre-active **Glaze Fluo** over the entire surface to achieve fluorescence effect. Enhance the chroma of the cervical area with HeraCeram cre-active **2D Secondary Dentine SD2**. Adjust the dentin colour in the body area with HeraCeram cre-active **2D Body A** according to the Vita* Classic Shade Guide. Create translucency effect in incisal area with HeraCeram cre-active **2D Aubergine**.



3. Create mamelons by gaining contrast in incisal area with HeraCeram cre-active **2D Value VL1**, HeraCeram cre-active **2D Value VL3** and HeraCeram cre-active **2D Mamelon Dentine MD3**. Enhance the contrast in the incisal area with HeraCeram cre-active **2D Basic Anthracite** and create a transversal band with HeraCeram cre-active **2D Enhancer EH Bright**.

4. Result after HeraCeram cre-active 2D firing – ready for individualisation with 3D masses.

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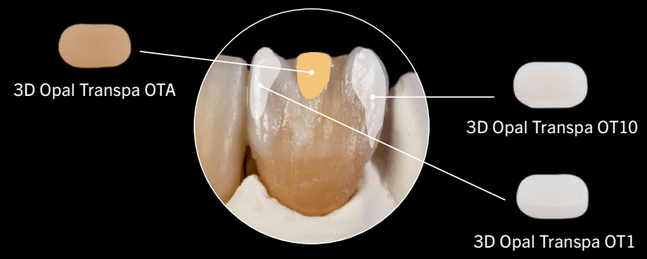
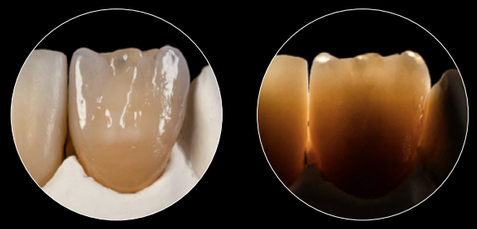
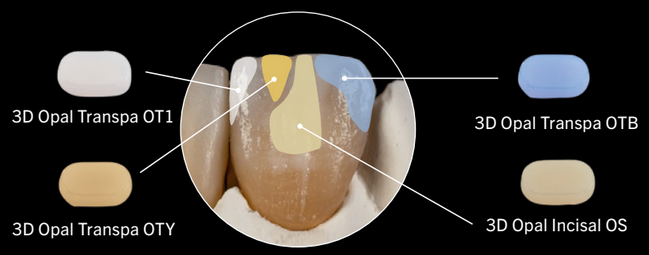


5. Build up the mesial edge with the most transparent opal mass **3D Opal Transpa OT1**. Follow on with **3D Opal Transpa OT10** – a whitish opal mass – to increase opalescence effect on the distal edge. Build a colorful accent in the incisal area with HeraCeram cre-active **3D Opal Transpa OTA**.

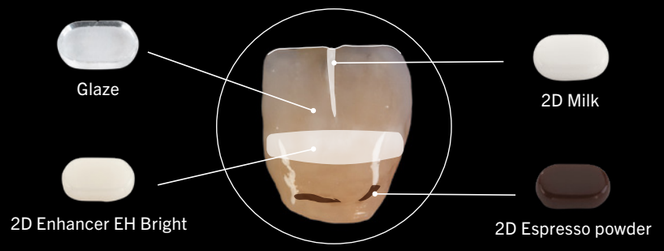


For tutorial reasons: Opal masses create stunning opalescence effects.
3D firing here – not necessary in daily laboratory work.



6. Individualise the incisal area with HeraCeram cre-active **3D Opal Transpa OT1**, **OTY** and **OTB**. HeraCeram cre-active **3D Opal Incisal OS** is applied to the incisal area to complete the shape. A natural surface texture is then created using fine instruments and targeted brush movements.

7. Result after HeraCeram cre-active 3D firing



8. Thinly cover the surface with HeraCeram cre-active **Glaze paste**. To enhance the transversal band with HeraCeram cre-active **2D Enhancer EH Bright**. HeraCeram cre-active **2D Espresso** is the only powder-based component in the cre-active range. Mixed with Liquid CAL, it achieves a ready-to-use consistency. The liquid amount influences both handling and color intensity. Palatial and labial fissures are detailed with a fine brush to enhance anatomy and ensure a natural look. With HeraCeram cre-active **2D Milk** add a natural looking enamel crack and highlight the incisal edge to create a halo effect.

9. Tooth 11: Final result after 2D firing in transmitted light.
Tooth 21: Full anatomic zirconium dioxide multi-layer framework for comparison.

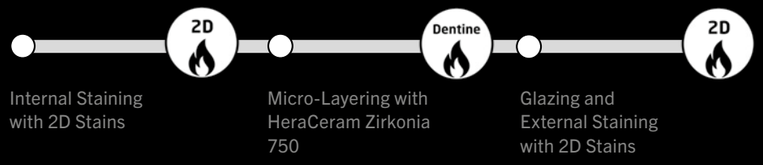
10. Final individualised restoration based on the matrix concept. Created by Dental Technician **Thomas Backscheider**.

take two

*HeraCeram cre-active 2D Amber / HeraCeram Zirkonia 750

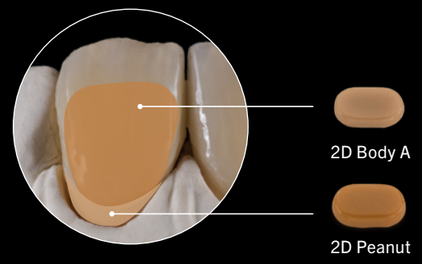
Hybrid Micro-Layering Concept
Combine the strength of HeraCeram Zirkonia 750 with the aesthetic versatility of HeraCeram cre-active for stunning minimal layering results. Our tutorials demonstrate how to seamlessly integrate these ceramics.

Workflow:

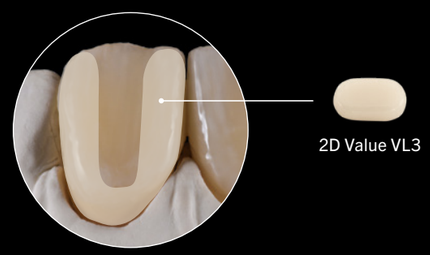


video tutorial

1. Initial situation: Minimal reduced zirconium dioxide multi-layer frameworks – ready for individualisation.

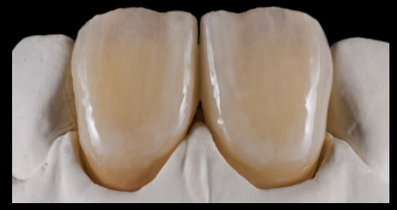


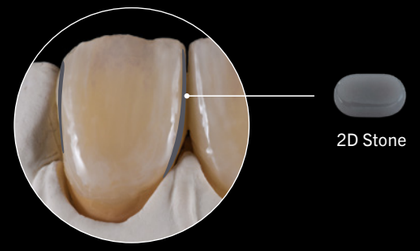
2. Staining of the body area with HeraCeram cre-active **2D Body A** to adapt tooth colour according to Vita* Classic Shade Guide. Apply HeraCeram cre-active **2D Peanut** in cervical area to enhance the chroma.



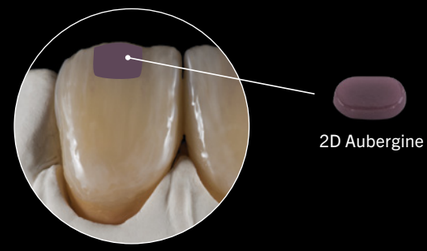
3. HeraCeram cre-active **2D Value VL3** is a highly fluorescent mass to control the brightness. Highlight areas along the edge strips and along the transversal band.

*"VITA" is a registered trademark of VITA Zahnfabrik H.Rauter GmbH & Co. KG, Bad Säckingen, Germany

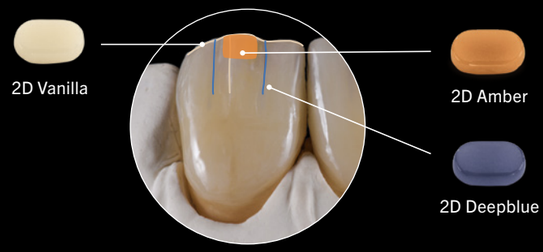




4. Create depth with HeraCeram cre-active **2D Stone** and imitate translucency effects on the mesial and distal incisal edges.

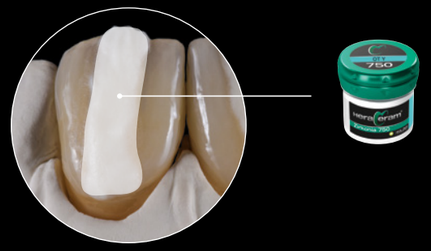


5. Create translucency effect in incisal area with HeraCeram cre-active **2D Aubergine**.

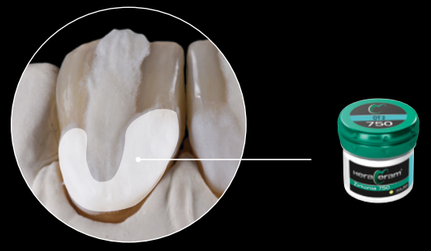


6. HeraCeram cre-active **2D Vanilla**: Create halo effect on incisal edge and individual colour effects in incisal area. HeraCeram cre-active **2D Amber**: Create mamelons and individual warm colour effects on the crown. Create contrast and natural inside structure effects in the incisal area by alternate coloring in very thin lines with HeraCeram cre-active **2D Deepblue**.

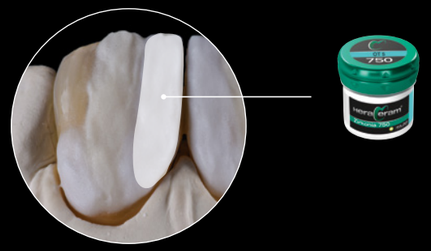
7. Result after HeraCeram cre-active 2D firing.



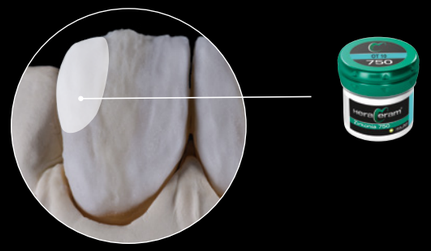
10. Start layering with HeraCeram Zirkonia 750 **Opal Transpa OTY**.



11. Layering body area with HeraCeram Zirkonia 750 **Opal Transpa OT2**.



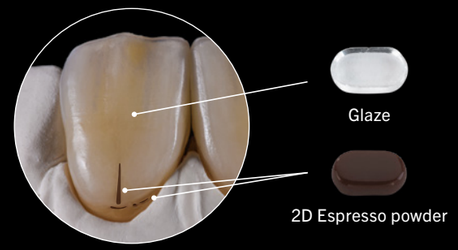
12. Mesial edge layering with HeraCeram Zirkonia 750 **Opal Transpa OT5**.



13. Finalise distal edge layering with HeraCeram Zirkonia 750 **Opal Transpa OT10**.

14. Result after HeraCeram Zirkonia 750 Dentin firing.

15. Finishing of the surface.

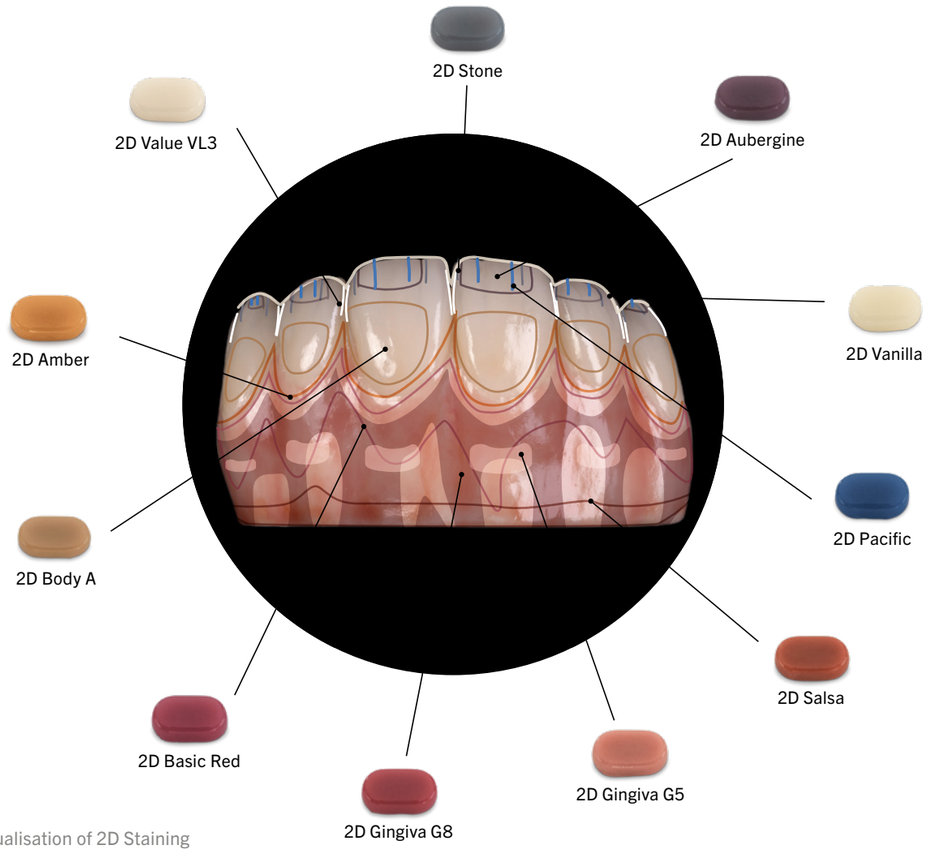


16. Apply HeraCeram cre-active **Glaze** paste thinly over the entire surface. Palatal and labial fissures are carefully detailed with HeraCeram cre-active **2D Espresso powder** using a fine brush to enhance anatomical accuracy and achieve a natural, lifelike appearance. Finalize with 2D / Glaze firing.

17. Finished restoration. Created by Dental Technician **Rudy Neugebauer**.

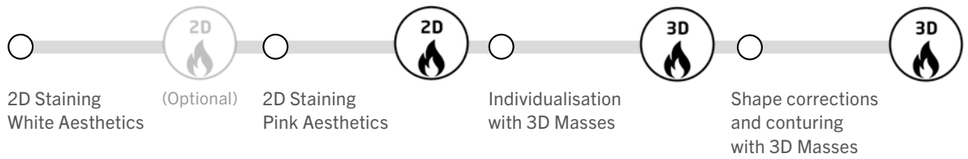
Gingiva Concept
Learn expert techniques for creating lifelike soft tissue aesthetics using the wide range of HeraCeram cre-active gingiva shades.

gingiva concept
pink & white aesthetic finishing



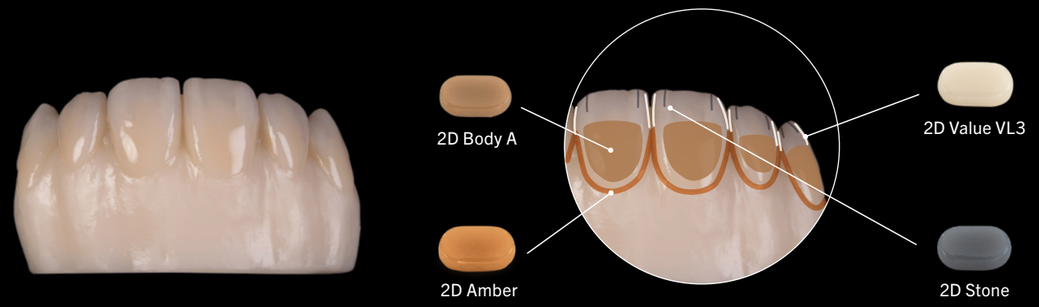
Visualisation of 2D Staining

Workflow:

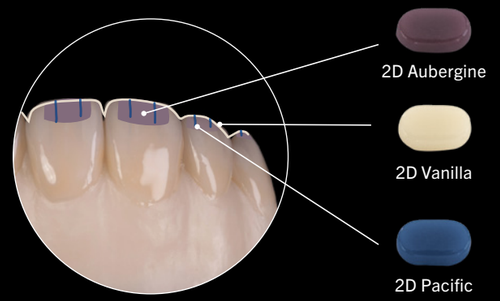


video tutorial

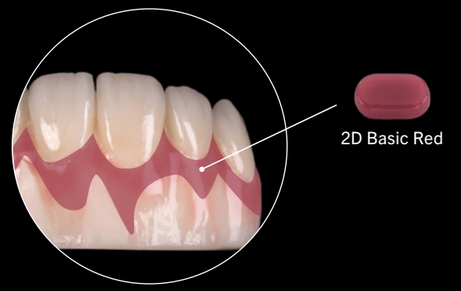
1. Initial situation: Multi-layer zirconium dioxide framework - ready for individualization



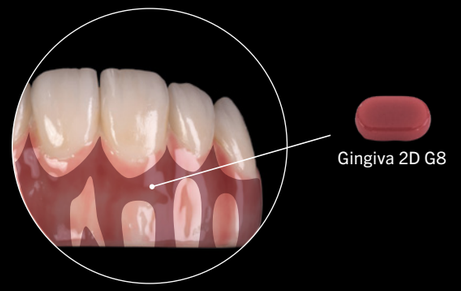
2. Moistening the zirconium dioxide framework with HeraCeram cre-active **Liquid (CAL)** and staining of the body area with HeraCeram cre-active **2D Body A** to adapt tooth colour according to Vita* Classic Shade Guide. To enhance the chroma in cervical area characterize with HeraCeram cre-active **2D Amber**. Create contrast in the incisal area with HeraCeram cre-active **2D Value VL3** for controlling the brightness and enhance fluorescence. Follow on with HeraCeram cre-active **2D Stone** for imitating incisal translucency.



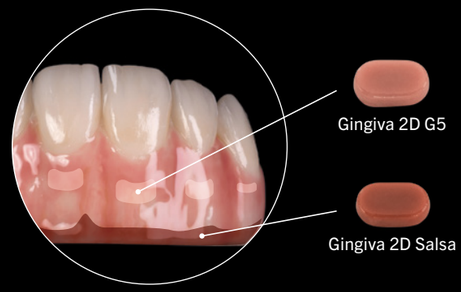
3. Create translucency within the incisal area with HeraCeram cre-active **2D Aubergine**. Apply HeraCeram cre-active **2D Vanilla** on incisal edges to create halo effect and set accents with HeraCeram cre-active **2D Pacific** to enhance the depth effect.



4. Apply HeraCeram cre-active **2D Basic Red** on marginal gingiva.



5. Create a natural depth in interradicular depression by applying the darker shade HeraCeram cre-active **Gingiva 2D G8**.

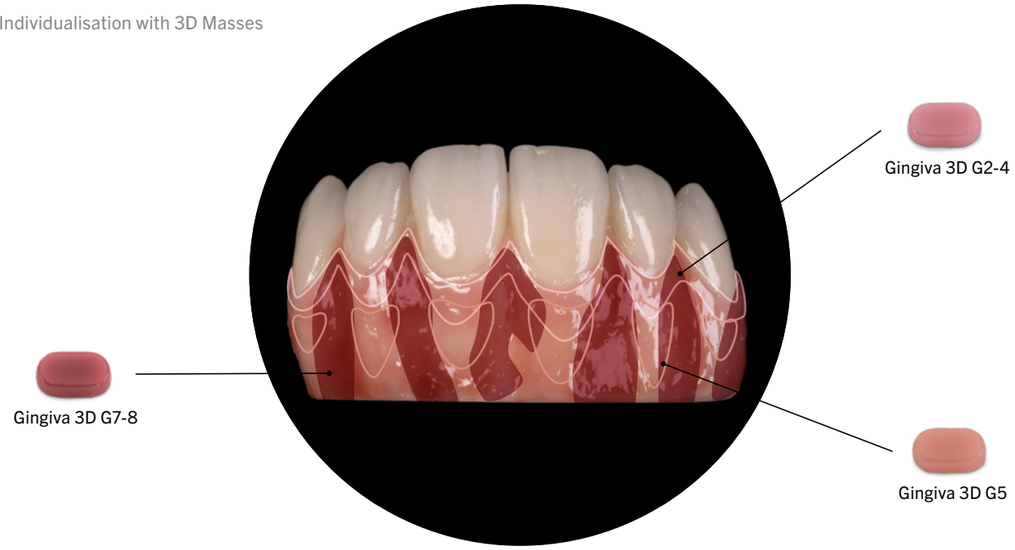


6. Create color of muco-gingival line with HeraCeram cre-active **Gingiva 2D G5** and create underlying blood vessels with HeraCeram cre-active **Gingiva 2D Salsa**.

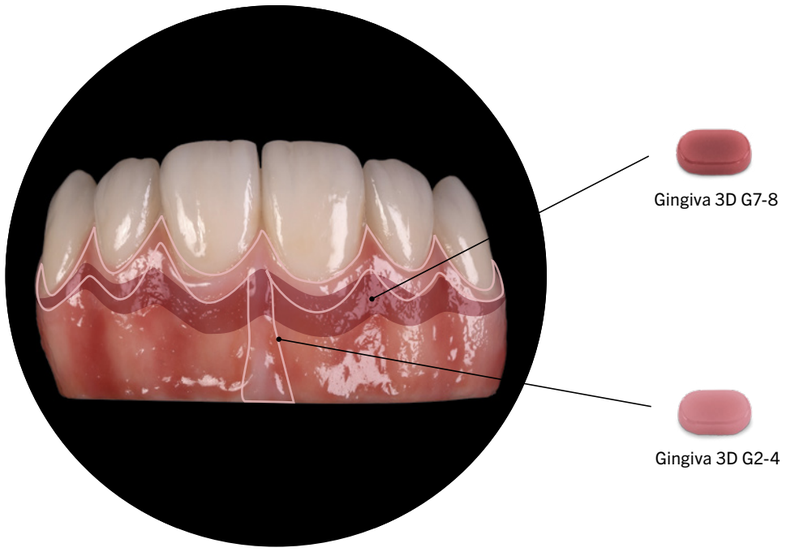
7. Result after HeraCeram cre-active 2D firing. Ready for individualisation with HeraCeram cre-active Gingiva 3D masses.

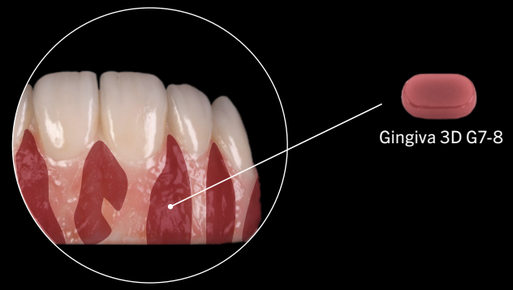
gingiva concept
3D firing

Individualisation with 3D Masses

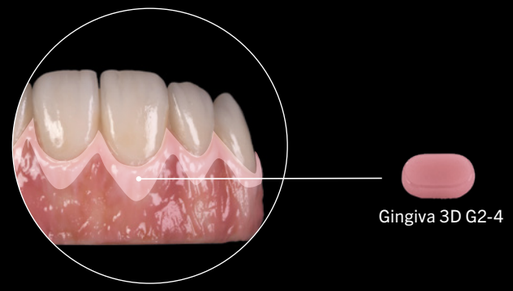


Shape corrections and conturing with 3D Masses





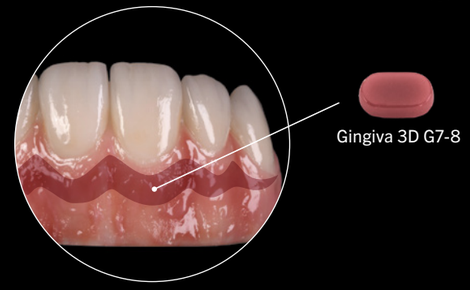
8. Apply HeraCeram cre-active **Gingiva 3D G7-8** in interradicular depression to create a natural depth and surface structure.



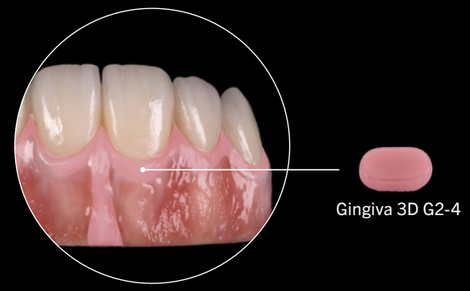
9. Shape the gingival margin and papillae with HeraCeram cre-active **Gingiva 3D G2-4**. The pale colour creates a three-dimensional effect.

10. Apply HeraCeram cre-active **Gingiva 3D G5** to create structure and contrast. Shape the gingival margin and papillae. The pale colour creates a three-dimensional effect.

11. Result after first 3D firing.



12. Enhance natural depth and designing of shape corrections with HeraCeram cre-active **Gingiva 3D G7-8**.



13. Gently apply HeraCeram cre-active **Gingiva 3D G2-4** along the marginal gingiva and enhance the brightness of the tooth root area and contour the labial frenum.

14. Final result after HeraCeram cre-active 3D firing. Created by Dental Technician **Rudy Neugebauer**.

*HeraCeram cre-active 3D Body Correction BL

bleach please

Aesthetic Bleach Concept

Brighten your patients' smiles with HeraCeram cre-active's 2D & 3D masses for bleach cases. Our tutorials showcase expert techniques for creating dazzling, natural-looking restorations that blend seamlessly with bleached dentition.

aesthetic bleach concept
two ways of bleach

Standard Staining with HeraCeram cre-active 2D or
Aesthetic Finishing with HeraCeram cre-active 2D and 3D shades
Unlock natural brilliance in anterior restorations with HeraCeram cre-active. This tutorial walks you through:

Standard Staining Concept
Workflow Tooth 11:

2D Staining
White Aesthetics

3D Matrix Concept
Workflow Tooth 21:

Internal Staining with 2D Stains

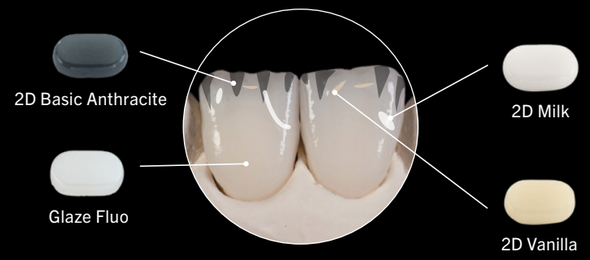
Individualisation with 3D Masses

Finishing / External Staining with 2D Stains

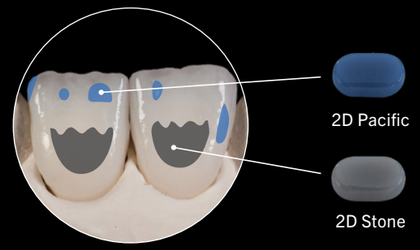
Tooth 11: Final masterpiece in 2D Standard Staining Concept in 1 firing.
Tooth 21: Final masterpiece after finishing in acc. to 3D Matrix Concept with HeraCeram cre-active 2D and 3D shades in 3 firings.

video tutorial

1. Initial situation:
Tooth 11: Monolithic multi-layer zirconium dioxide framework ready for staining with 2D shades
Tooth 21: Monolithic multi-layer zirconium dioxide framework with minimal reduction ready for individualisation with 2D and 3D shades

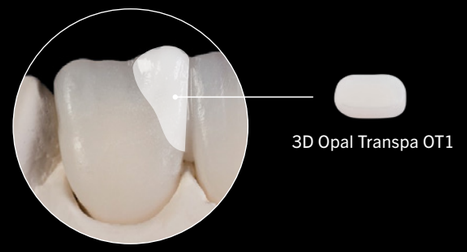


2. Thinly coat the entire surface with HeraCeram cre-active **Glaze Fluo** to gain fluorescence effect. Create translucency effect by applying HeraCeram cre-active **2D Basic Anthracite** in the incisal area in wedge shape and enhance the effect by building contrast with HeraCeram cre-active **2D Milk** and HeraCeram cre-active **2D Vanilla**.

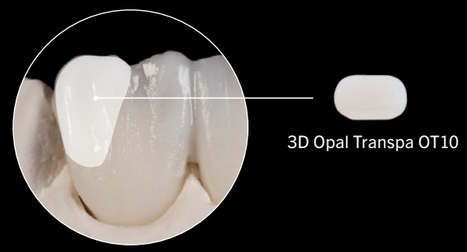


3. Enhance the translucency effect by accentuating specific areas in the incisal region with HeraCeram cre-active **2D Pacific** and in the transversal band with HeraCeram **2D Stone**.

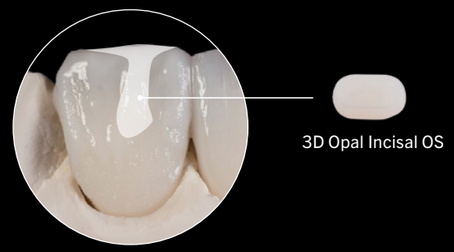
4. Final result after HeraCeram cre-active 2D firing.
Tooth 11: Final masterpiece in 2D Standard Staining Concept in 1 firing
Tooth 21: Result after first firing – ready for 3D Staining Process.



5. Build up the mesial edge with the most transparent opal mass HeraCeram cre-active **3D Opal Transpa OT1**.

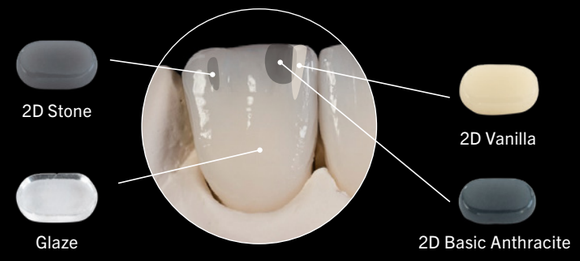


6. Follow on with HeraCeram cre-active **3D Opal Transpa OT10** – a whitish opal mass – to increase opalescence effect on the distal edge.



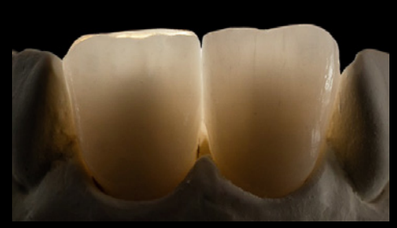
7. Finalise the incisal area with HeraCeram cre-active **3D Opal Incisal OS** – a structural 3D mass for bleach cases – ideal for building up the incisal edge, building up in the interproximal region and contouring of the contact points.

8. Result after HeraCeram cre-active 3D firing.



9. Cover in very thin layer with HeraCeram cre-active **Glaze** and individualize with HeraCeram cre-active **2D Vanilla** on the lateral edge. Set highlights with HeraCeram cre-active **2D Basic Anthracite** and **2D Stone** to intencify translucency effects.

10. Final result after HeraCeram cre-active 2D firing.



11. Final result in transmitted light.

12. Final result. Created by Dental Technician **Thomas Backscheider**.

inspiration from experts

Showcasing Dental Artistry

Dental Technician: **Abdelhalim Faris**

video tutorial

Dental Technician: **Faisal Al Mohamad**

Dental Technichian: **Paul Titeiu**

video tutorial

For more practical guidance and cases, explore our HeraCeram resources:

HeraCeram YouTube Playlist – Discover step-by-step tutorials and inspiring interviews.
HeraCeram World Facebook Group – Connect with dental professionals, share experiences, and get expert tips.
Visit our website for detailed product information, downloads, and additional case studies.

technical information

amber aubergine espresso vanilla avocado milk peanut curry ...

Application Area		Name	Consistency	Light transmission properties	Fluorescence	Further optical properties	Description
Glazing		Glaze	2D	Transparent	-		Transparent clear Glaze without fluorescence - available as paste or powder.
		Glaze Fluo	2D	Translucent	+++		Translucent Glaze with fluorescence - available as paste or powder.
Body Correction		BC BL	**3D**	Translucent	++		Translucent 3D masses to characterise the Vita* Classic basic shades in the body part and adjust the shape of the framework.
		BC A	**3D**	Translucent	++		
		BC B	**3D**	Translucent	++		
		BC C	**3D**	Translucent	++		
		BC D	**3D**	Translucent	++		
Enhancer		EH Bright	2D	Translucent	+++		Translucent 2D stain to increase the brightness value. Translucency stays retained.
Basic		Red	2D	Translucent	-	Colour intensive	Pure or for mixing into other shades to adjust their L*a*b* values.
		Yellow	2D	Translucent	-	Colour intensive	Pure for the reproduction of dentin cores, abrasions, fissures... for mixing to adjust L*a*b* values.
		Anthracite	2D	Translucent	-	Colour intensive	Pure to reduce brightness and for imitating translucency. For mixing to adjust L*a*b* values.
Body		A	2D	Translucent	++		Translucent 2D stains to characterize the Vita* Classic basic shades.
		B	2D	Translucent	++		
		C	2D	Translucent	++		
		D	2D	Translucent	++		
Individualisation	Modifier Opaque	Coffee	2D	Opaque	+		Opaque 2D stain for individualization and increasing chroma of the cervical area.
		Avocado	2D	Opaque	+		Opaque 2D stain for the reproduction of enamel cracks, fissures, nicotine stains, discolorations in the cervical area, incisal edges and for darkening approximal areas.
		Peanut	2D	Opaque	+		Opaque 2D stain for individualization and increasing chroma of the cervical area.
		Amber	2D	Opaque	+		Opaque 2D stain for the enhancement of cervical chroma and for the reproduction of mamelon structures, discolorations in the cervical area and abrasion sites.
		Vanilla	2D	Opaque	++		Opaque 2D stain for the reproduction of enamel stains, lime spots in cases of dental fluorosis, immitating the halo effect on the incisal edge and for accentuating cusps and bulges.
		Cacao	2D	Opaque	+		Opaque 2D stain for individualization of the cervical part.
		Curry	2D	Opaque	+		Opaque 2D stain for the reproduction of dentine cores, abrasion sites and fissures.
		Milk	2D	Opaque	+++		Opaque 2D stain for the reproduction of enamel spots, enamel cracks, lime stains in cases of tooth fluorosis and imitating the halo effect on the incisal edge.
		Espresso Powder	2D	Opaque	-		Opaque powder for imitating fissures or coloured dots.
	Modifier Translucent	Pacific	2D	Translucent	+		Translucent 2D stain for the reproduction of incisal and occlusal translucency.
		Stone	2D	Translucent	+		Translucent 2D stain to reduce the brightness value and imitating incisal translucency.
		Aubergine	2D	Translucent	+		Translucent 2D stain for the reproduction of incisal and occlusal translucency.
Matrix Concept 2D	Mamelon Dentine	MD1	2D	Opaque	++		Opaque 2D stains to intensify the luminosity and enhance the contours of the mamelon structure in acc. to resp. Vita* classical shade (see color mapping table on page 56/57).
		MD2	2D	Opaque	++		
		MD3	2D	Opaque	++		
	Secondary Dentine	SD1	2D	Opaque	++		Opaque 2D stains to intensify the luminosity of the colours in the cervical area (see colour mapping table on page 56/57).
		SD2	2D	Opaque	++		
	Value	VL1	2D	Translucent	+++		Translucent 2D stains - highly fluorescent, for controlling the brightness in relation to the chroma of the individual colour levels (see colour mapping table on page 56/57).
		VL3	2D	Translucent	+++		
Matrix Concept 3D	Opal Transpa	OT1	**3D**	Translucent	+	Opalescent	Most transparent opal mass.
		OT10	**3D**	Translucent	+	Opalescent	Whitish opal mass to increase opalescence effect.
		OTY	**3D**	Translucent	+	Opalescent	Yellowish opal mass to achieve translucent chroma.
		OTA	**3D**	Translucent	+	Opalescent	Reddish opal mass.
		OTB	**3D**	Translucent	+	Opalescent	Bluish opal mass.
	Opal Incisal	OS	**3D**	Translucent	+	Opalescent	Translucent opal incisal structural 3D mass.
		OS BL	**3D**	Translucent	+	Opalescent	Translucent opal incisal structural 3D mass for bleach cases.
Gingiva 2D	Opaque	G2	2D	Opaque	-		2D basic stain for gingival parts.
		G4	2D	Opaque	-		
		G5	2D	Opaque	-		
		G6	2D	Opaque	-		
		G7	2D	Opaque	-		
		G8	2D	Opaque	-		
		Salsa	2D	Opaque	-		2D gingival stains – pure or for mixing - to create shading.
		Hazel	2D	Opaque	-		
		Mauve	2D	Opaque	-		
Gingiva 3D	Translucent	G1	**3D**	Translucent	-		Translucent whitish- pink coloured structural 3D mass., e.g. for designing the lip frenulum.
		G2–4	**3D**	Translucent	-		Translucent pink coloured structural 3D mass.
		G5	**3D**	Translucent	-		Translucent orange-pink coloured structural 3D mass.
		G7–8	**3D**	Translucent	-		Translucent reddish-pink coloured structural 3D mass.
Gingiva 2D	Translucent	Deepblue	2D	Translucent	-		Bluish 2D stain for veins.
		Canyon	2D	Translucent	-		2D basic stain for orange gingival parts.
Liquid (CAL)							One for all liquid (for mixing, diluting, re-freshing).

colour mapping table

		Bleach	A1	A2	A3	A3.5	A4	B1	B2
2D	Body stains	–	2D B-A	2D B-A	2D B-A	2D B-A	2D B-A	2D B-B	2D B-B
2D	Mamelon-/or Secondary Dentine	2D MD1	2D MD1	2D MD1	2D SD2	2D SD2	2D SD2	2D MD2	2D MD2
2D	Value	2D VL1	2D VL1	2D VL1	2D VL3	2D VL3	2D VL3	2D VL1	2D VL1
3D	Enamel	3D OS-BL	3D OS-BL	3D OS-BL	3D OS	3D OS	3D OS	3D OS-BL	3D OS-BL
3D	Body Correction	3D BC BL	3D BC-A	3D BC-A	3D BC-A	3D BC-A	3D BC-A	3D BC-B	3D BC-B

B3	B4	C1	C2	C3	C4	D2	D3	D4
2D B-B	2D B-B	2D B-C	2D B-C	2D B-C	2D B-C	2D B-D	2D B-D	2D B-D
2D MD3	2D MD3	2D MD2	2D SD1	2D SD2	2D SD1	2D MD1	2D MD3	2D SD1
2D VL3	2D VL3	2D VL1	2D VL1	2D VL3	2D VL3	2D VL1	2D VL3	2D VL3
3D OS	3D OS	3D OS-BL	3D OS	3D OS	3D OS	3D OS-BL	3D OS	3D OS
3D BC-B	3D BC B	3D BC-C	3D BC-C	3D BC-C	3D BC-C	3D BC-D	3D BC-D	3D BC-D

product range

Product range
Glaze/Glaze Fluo Pastes and Powders
2D Stains Basic
2D Stains Opaque
2D Stains Translucent
2D Mamelon Dentine
2D Secondary Dentine
2D Value Masses
2D Enhancer Mass
2D Gingiva Stains Opaque
2D Gingiva Stains Translucent
3D Opal Incisal Masses
3D Opal Transpa Masses
3D Body Correction Masses
3D Gingiva Masses

Art.-No.	Name
Sets	
66094145	HC cre-act. Basic-Set (2D/3D)
66094146	HC cre-act. Matrix-Set (2D/3D)
66094147	HC cre-act. 2D Stains/Glaze-Set (2D)
66094149	HC cre-act. Gingiva-Set (2D/3D)

Be cre-active – more info for next level aesthetic finishing: kulzer.com/heraceram-creactive

Day-Light conditions

UV-Light conditions

Fluorescence & Non-Fluorescence in Aesthetic Shades

To support lifelike restorations, the white aesthetic shades in the cre-active range are fluorescent – the brighter the stain, the stronger its fluorescence. In contrast, the pink aesthetic shades used for individualizing gingival areas are non-fluorescent, ensuring a natural balance in visual appearance.

HeraCeram cre-active: 2D, Glaze, Glaze Fluo

IMPORTANT NOTICE: The firing temperatures given are intended as guidelines.
Deviations are possible due to varying furnace power and may need to be adapted.

		HeraCeram	HeraCeram Saphir	HeraCeram Sun	HeraCeram Zirkonia	HeraCeram Zirkonia 750 with lithium disilicate	HeraCeram Zirkonia 750 with zirconium dioxid	1-4 units: Lithium disilicate, monolithic zirconium dioxide	5-xx units: monolithic zirconium dioxide
Start temperature	[°C]	600	600	600	600	400	500	450	450
drying	[min]	5	5	5	5	5	5	5	8
Pre-heating	[min]	1	1	1	1	1	1	1	4
Temperature increase	[°C/min]	100	100	100	100	60	60	55	45
Final temperature	[°C]	850	850	740	850	725	725	740	740
Holding time	[min]	0.5 – 1	0.5 – 1	0.5 – 1	0.5 – 1	0.5 – 1	0.5 – 1	1	1
Vacuum start	[°C]	–	–	–	–	–	–	650	650
Vacuum stop	[°C]	–	–	–	–	–	–	700	700

Firing Procedure
The degree of glazing and the texture of the ceramic surface are defined during firing by the temperature and the holding time. For this reason, the specifications for the firing temperature and holding time are for orientation only and may need to be adjusted to achieve the required result.

HeraCeram cre-active: 3D

IMPORTANT NOTICE: The firing temperatures given are intended as guidelines.
Deviations are possible due to varying furnace power and may need to be adapted.

		1-4 units: HeraCeram; HeraCeram Saphir; HeraCeram Sun; HeraCeram Zirkonia; HeraCeram Zirkonia 750 with lithium disilicate; HeraCeram Zirkonia 750 with zirconium dioxide; lithium disilicate; monolithic zirconium dioxide	5-xx units: HeraCeram; HeraCeram Saphir; HeraCeram Sun; HeraCeram Zirkonia; HeraCeram Zirkonia 750 with zirconium dioxide; monolithic zirconium dioxide
Start temperature	[°C]	450	450
drying	[min]	8	10
Pre-heating	[min]	2	5
Temperature increase	[°C/min]	55	30
Final temperature	[°C]	740	740
Holding time	[min]	1	1
Vacuum start	[°C]	650	650
Vacuum stop	[°C]	730	730

HeraCeram offers a versatile veneering solution for all indications and aesthetic requirements – Simply perfect!

HeraCeram Zirkonia 750 –
The “cool” solution for lithium disilicate and zirconium dioxide frameworks.

HeraCeram Saphir –
Let your talent shine on metal frames.

Further information and materials can be found at: **kulzer.com/heraceram**

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