

Let
your
talent
shine.



HeraCeram[®] Saphir

Let your talent shine on metal frames.
Experience the new Light Booster.

Giving a hand to oral health.



KULZER
MITSUI CHEMICALS GROUP

HeraCeram® Saphir

Let your talent shine on metal frames – experience the new Light Booster.

With HeraCeram Saphir, dental technicians can attain their best results ever on metal frameworks. And the results are easier to achieve than before. HeraCeram Saphir helps dental technicians reach new heights of expertise on metal frames with “Light Booster” technology, an all new opaque and very easy handling.

Advantages at a glance:

- “Light Booster” technology: Authentic look and true opalescence on metal frames
- Opalescent effect remains highly stable through multiple firings
- Stabilised Leucite Structure (SLS) prevents uncontrolled CTE growth
- New Paste Opaque: Impressive masking power in extremely thin layers of 60–100µm
- Easy upgrade to next level aesthetics
- Extensive support for quick learning of master-level techniques



Thomas Backscheider,
Dental Technician, Germany

“This new powder Saphir is the next step for us technicians, the step into the ‘Light-booster’ world. I have never seen a ceramic before with this level of Opalescence.”



Time to get started.

**Rüdiger Neugebauer,
Dental Technician, Portugal**

"I never before experienced a Veneering material which is on the one side so easy to handle and on the other side so close to nature."



**Spiros Chatzigeorgiou,
CDT, Greece**

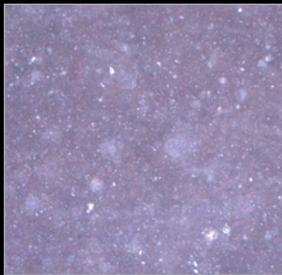
"My collaborators-dentists trust me with their patients' smiles because I can create a natural result. With this unique material, Saphir, I am allowed to use all my skills to cover even the most demanding case with naturalness. The best thing is that I can achieve this result fast, easily and with absolute safety."

Optically Perfect.

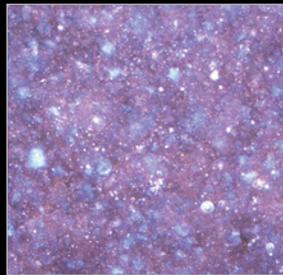
The Light Booster – authentic look and true opalescence on metal frames.

The greatest challenge in metal ceramic restorations is to achieve natural looking aesthetics and opalescence on opaque metal frames. With the new HeraCeram Saphir, this is now particularly easy to achieve. The reason: the Light Booster technology. “Light Boosters” are highly dispersed, light enhancing crystals in a glass-ceramic system that effect internal refractions of light and produce an opalescent effect corresponding to natural enamel. These crystals, which are formed during sintering, are transparent to semi-transparent and produce a double coloration (blue/amber) known as opalescence. Paired with HeraCeram’s signature synthetic quartz glass, it’s an effect you have to see to believe.

To maximise consistency, the light booster’s chemical composition was re-engineered to eliminate the aesthetic problems associated with multiple firings. As a result, the brilliant opalescence and naturalness of the ceramic will not be affected by any processing conditions.



Ceramic with conventional opacous particles for opalescence



HeraCeram Saphir with Light Booster crystals



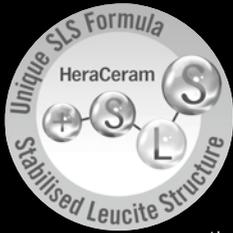
Lifelike aesthetics and opalescence effected by unique Light Booster technology of HeraCeram Saphir



Paul Fiechter,
Master Dental Technician, Switzerland

“The light booster interacts with changing lighting conditions and produces a natural and lively interplay of colours.”

Technically Perfect.



Stabilised Leucite Structure – no chipping, reduced firing shrinkage, short firing times

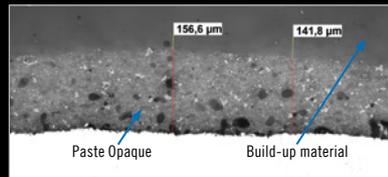
The Stabilised Leucite Structure of HeraCeram Saphir ensures stable CTE values and thus completely avoids the problem of uncontrollable leucite crystal growth over multiple firings. This ensures greater resistance to stress and no chipping or quality problems in the final restoration. Thanks to shorter firing times, it also saves technicians time.

Paste Opaque – fewer layers, thinner layers, better masking and bonding

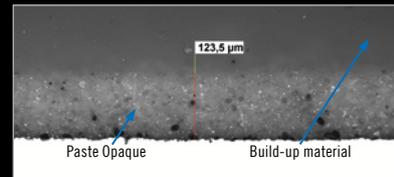
All new opaque offers impressive masking power in extremely thin layers (60-100 µm). Through enhanced masking and bonding properties, the new opaque is truly unique and extremely easy to work with. It can be applied much more quickly, whilst using fewer layers than with conventional opaques. This saves time and creates more space to work with. See it in action: kulzer.com/video-hcsaphir-opaque



HeraCeram Saphir Paste Opaque with extreme masking power in extremely thin layers (here 62,8µm)



Competitor 1 (Layering thickness opaque: 141,8 – 156,6µm)



Competitor 2 (Layering thickness opaque: 123,5µm)

New production process – new manufacturing process, less shrinkage, better surfaces

HeraCeram Saphir's updated production process includes an adapted milling method. The improved particle size of the powder ensures better modelling characteristics, less shrinkage after firing and denser surfaces.



Björn Maier,
Master Dental Technician, Germany

"The opaque is unique and, from my point of view, the best on the market – a true USP."

Simply Perfect.

Easy handling – achieve next level aesthetics

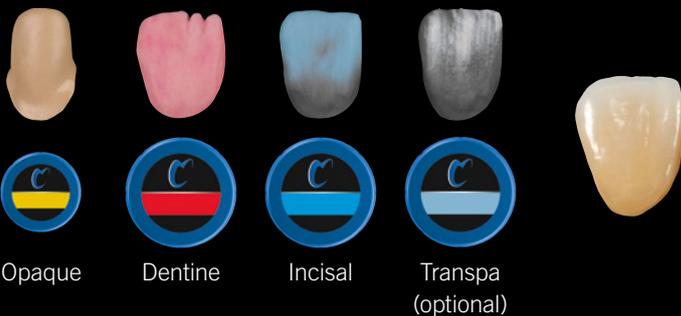
With HeraCeram Saphir, you can achieve aesthetic restorations that suit every need in any situation – from authentic reproduction of everyday A-D shades to skilful customisation, through to high end complex restorations with vibrant light dynamics. HeraCeram Saphir is giving you the flexibility you need for your design. Simple. Easy. Perfect.

Layering options for everyday restorations – to one of a kind masterpieces



Everyday Layering – Quite simple with standard materials

The ideal solution for everyday shades (A-D). User guide videos: [kulzer.com/video-hcsaphir-everyday](https://www.kulzer.com/video-hcsaphir-everyday)



Opaque

Dentine

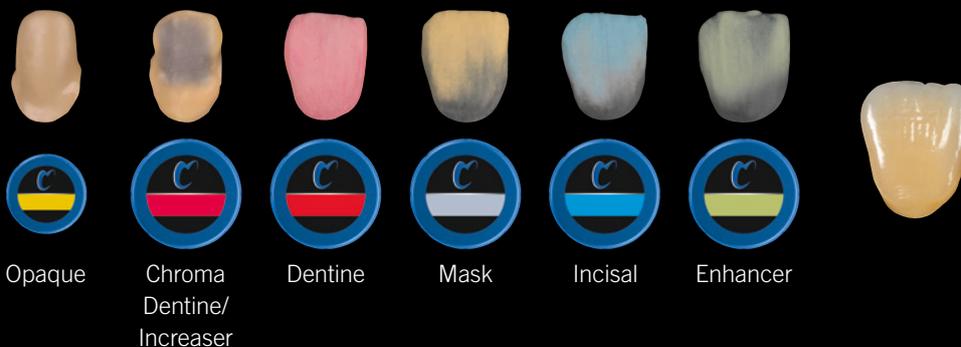
Incisal

Transpa (optional)



Personalised Layering – The next level with a wide range of custom materials

For patient specific shade adjustment. User guide videos: [kulzer.com/video-hcsaphir-personalised](https://www.kulzer.com/video-hcsaphir-personalised)



Opaque

Chroma Dentine/Increaser

Dentine

Mask

Incisal

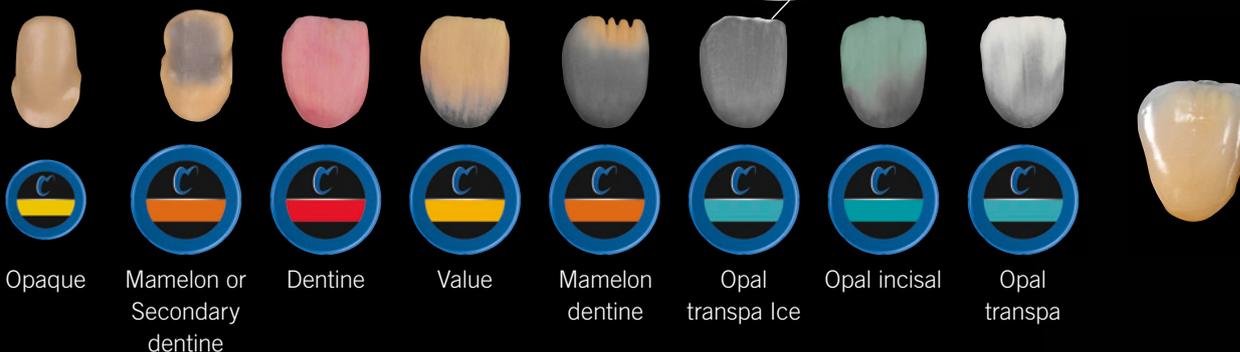
Enhancer



Matrix Layering – Exclusive and unique for extreme aesthetics

Truly natural results for highly individualised restorations.

User guide videos: [kulzer.com/video-hcsaphir-matrix](https://www.kulzer.com/video-hcsaphir-matrix)



Opaque

Mamelon or Secondary dentine

Dentine

Value

Mamelon dentine

Opal transpa Ice

Opal incisal

Opal transpa

Kulzer's with you every step of the way.



We help customers reach their full potential with our products – through hands on training, hotline or email support, and “how-to” materials, such as our application guides and video tutorials.



Adi Gherman, CDT, Romania

“The aesthetic properties are excellent for metal ceramics. The colours are ideally matched to the Vita shade guide, and the handling properties are simply excellent.”

HeraCeram Saphir Refill range

Contents	
1	NP-Primer
19	Paste Opaque
16	Dentine
16	Chromadentine
4	Incisal material
3	Transparency material
6	Increaser
6	Enhancer
2	Mask
6	Gingiva shades
3	Mamelon dentine
2	Secondary dentine
4	Value material
4	Opal incisal
9	Opal transparency
5	Margin HM
5	Margin LM
1	Correction material

HeraCeram Saphir Sets

	Art. no.
HC-Saphir First-Touch set	66069556
HC-Saphir Paste opaque set	66069557
HC-Saphir Dentine-Incisal set	66069558
HC-Saphir Enhancer set	66069560
HC-Saphir Matrix set	66069561
HC-Saphir Chroma dentine set	66069562
HC-Saphir Margin set	66069563
HC-Saphir Gingiva set	66069564



Start Video

HeraCeram videos offer tutorials for every step of the layering process:
kulzer.com/Saphir-videos



Any other questions?
See the FAQ page:
kulzer.com/HeraCeram-faq

Our new ceramic generation – Experience the new Light Booster.

HeraCeram Saphir – Let your talent
shine on metal frames.



HeraCeram Zirkonia 750 – The “cool”
solution for LiSi and zirconia.



HeraCeram Stains universal – a complete range of
stains for every indication.

22 vibrant stains alongside glaze material for use on any type of ceramic –
a perfect match for HeraCeram Saphir and HeraCeram Zirkonia 750!

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

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