

DIRECT SYSTEM

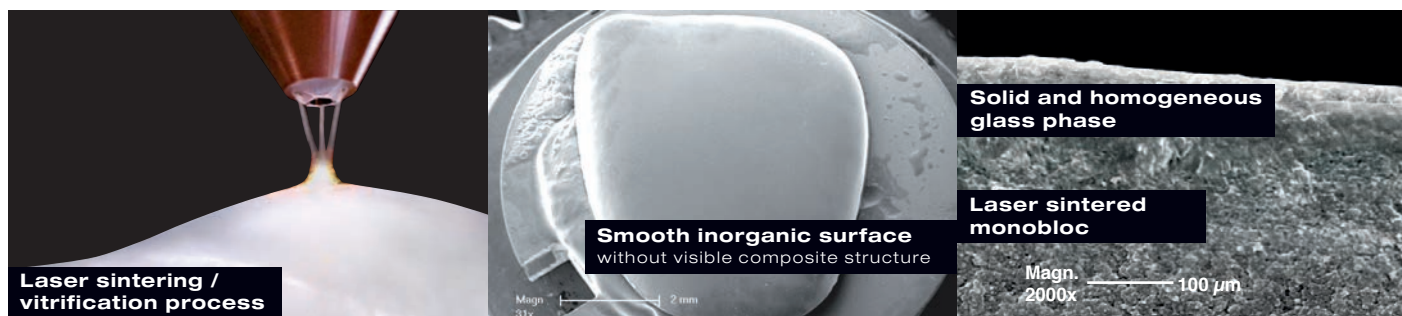
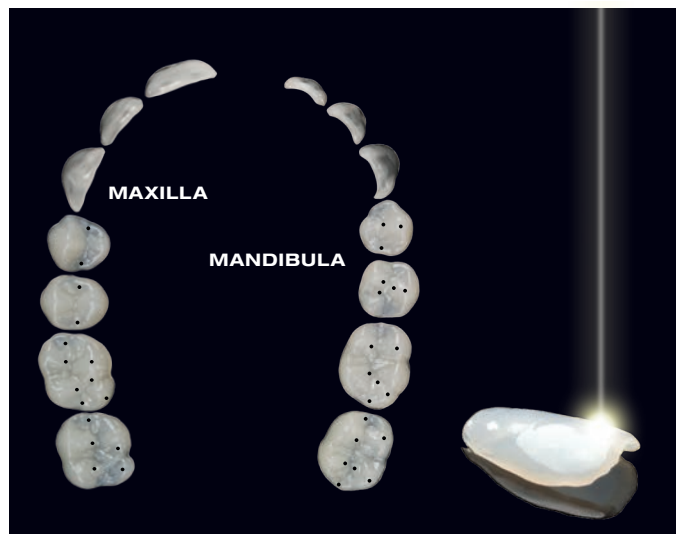
VENEER OCCLUSIONVD COMPOSITE

UNIQUE HYBRID-ENAMEL SHELLS FOR ANTERIOR AND POSTERIOR RESTORATIONS

Thanks to the unique laser-sintering manufacturing process, the translucent enamel and occlusion shells (VENEER & OCCLUSIONVD) stand out for their inorganic, ceramic-like surface through a process of vitrification and tempering of the composite body.

The VENEERS and OCCLUSIONVDs represent the anatomic foundations for single or complete reconstructions and for increasing the vertical dimension in the posterior region. Hence, a functioning anterior cuspid guidance can also be obtained using edelweiss VENEERS & OVDs.

The difference lies in it's similarity with nature!



MINIMAL INVASIVE & COST-EFFECTIVE

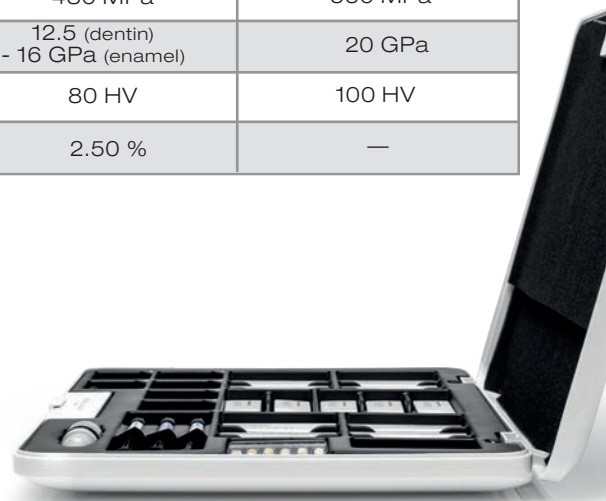
	COMPOSITE	VENEER & OCCLUSIONVD
Flexural Strength	150 MPa	200 MPa
Compressive Strength	480 MPa	550 MPa
Flexural Modulus	12.5 (dentin) - 16 GPa (enamel)	20 GPa
Surface Hardness	80 HV	100 HV
Polymerization Shrinkage	2.50 %	—

ADVANTAGES

- One appointment
- Minimally invasive
- Natural look
- Long-lasting
- Biomechanical
- Biocompatible
- Antibacterial
- Economical

INDICATIONS

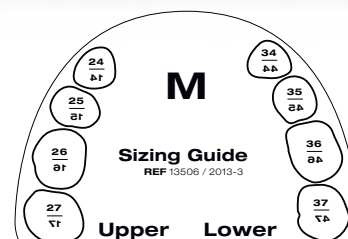
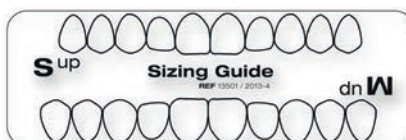
- Anterior and posterior restorations
- Tooth discolorations
- Anatomical deformities
- Diastema
- Erosion & Attrition
- Customized Veneers, Crowns & Bridges
- Crown facings
- Increasing the vertical dimension (OVD)



ALWAYS THE RIGHT SIZE

The edelweiss VENEERS and OCCLUSIONVDs are provided in different sizes. Using the edelweiss Sizing Guides, it is possible to easily determine the appropriate size of enamel shells.

VENEER Sizes: XS, S, M, L OCCLUSIONVD Sizes: S, M, L



CLINICAL CASE

FULL MOUTH REHABILITATION
WITH VENEERS & OCCLUSIONVDs

edelweiss
DENTISTRY



FREE ONLINE EDUCATION

Explore our free step by step videos and quick tips on the edelweiss website and learn how to optimally treat your patients in short time.
www.edelweissdentistry.com/videos

LIVE WORKSHOPS FOR YOUR SUCCESS

Experience the edelweiss system live on one of our Workshops with hands-on demonstrations. Get in touch with your sales representative or go to www.edelweissdentistry.com/education-center



Visit our edelweiss video library!



Marc Bachmann
Webinar DT Study Club
Bio-Aesthetics &
Function in one
appointment (English)



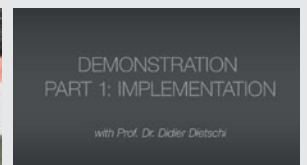
Sanette Muller &
Stephan Lampl
Full mouth rehabilitation
/ Amelogenesis
Imperfecta



Stephan Lampl &
Claudio Novelli
Full mouth rehabilitation
with edelweiss VENEERS
& OCCLUSIONVDs



Stephan Lampl &
Claudio Novelli
Full mouth rehabilitation
My story / Robert
Lucero



Didier Dietschi
Implementation &
characterization of
edelweiss VENEERS

... and many more step-by-step documentaries and lectures on our site!

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DIRECT SYSTEM

VENEER

edelweiss
DENTISTRY

beautiful innovation you can trust



Claudio Novelli
D.M.D PhD Private-Docent
Clinical and Scientific Director

edelweiss VENEERs LONG

«I started using VENEERs LONG to restore my periodontal patients with long teeth due to gingival recession. However I soon realized that also many not-periodontal patients have teeth with increased length-to-width ratio (i.e. l/w ratio > 1,4:1) and are well suited for edelweiss VENEERs LONG. Now I like to always have VENEERs LONG in my edelweiss VENEERs stock because it makes the system more flexible and allows me to treat a wider range of esthetic patients. Regular edelweiss VENEERs are designed with ideal length-to-width ratio (i.e. 1,2:1) to fit the large majority of patients. However, sometimes patients have teeth that are not ideal in size and it is not unusual to see longer teeth with increased length-to-width ratio. This is a common clinical finding in periodontal patients where soft tissue recession produces root exposure and increased tooth length. edelweiss VENEERs LONG are designed to optimally fit periodontal patients and allow to cover the exposed roots and to restore natural tooth appearance with a single-appointment, minimally-invasive restoration.»

For more information visit this link:
<https://www.edelweissdentistry.com/press>



EDELWEISS VENEERs LONG



vs. EDELWEISS VENEERs



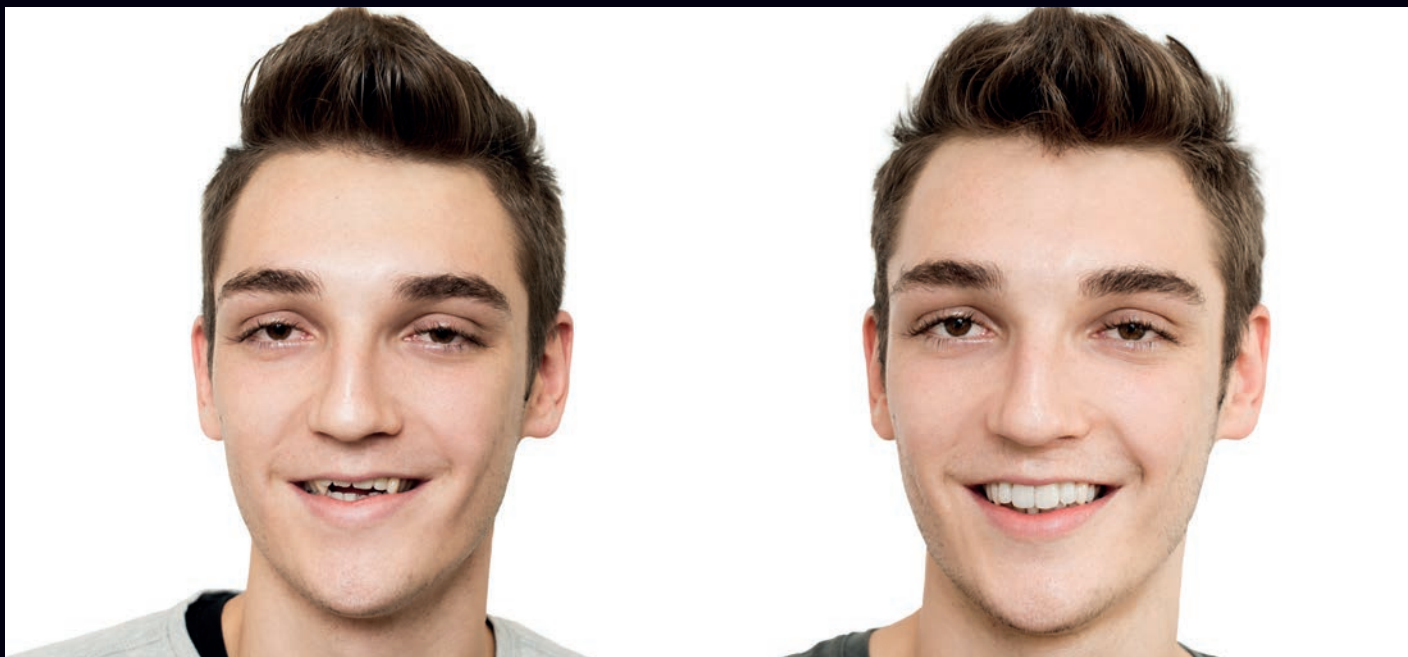
ADVANTAGES

- One appointment
- Minimally invasive
- Natural look
- Long-lasting
- Biomechanical
- Biocompatible
- Antibacterial
- Economical

VENEERs LONG increase the flexibility of the edelweiss system because now a larger variety of veneer sizes is available. Until now edelweiss VENEERs were available with regular length-to-width ratio 1,2:1. Now also VENEERs LONG with increased length-to-width ratio 1,4:1 are available and dentists can choose the veneer proportion that best fits their patients.

CASE STUDY – OPEN BITE CLOSER

with edelweiss VENEERs LONG



CASE STUDY – PERIODONTAL FUNCTION & ESTHETICS

with edelweiss VENEERs LONG



SIZES

REF 17035-37	edelweiss VENEER 11 LONG	S, M, L	REF 17065-67	edelweiss VENEER 11/21 LONG	S, M, L
REF 17038-40	edelweiss VENEER 12 LONG	S, M, L	REF 17068-70	edelweiss VENEER 12/22 LONG	S, M, L
REF 17041-43	edelweiss VENEER 13 LONG	S, M, L	REF 17071-73	edelweiss VENEER 13-23 LONG	S, M, L
REF 17050-52	edelweiss VENEER 21 LONG	S, M, L			
REF 17053-55	edelweiss VENEER 22 LONG	S, M, L			
REF 17056-58	edelweiss VENEER 23 LONG	S, M, L			

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#822021 / 2022-04

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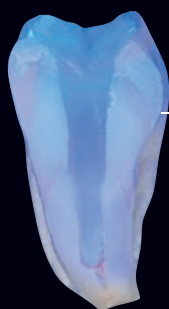
edelweiss
DENTISTRY

POST & CORE

INNOVATION

The edelweiss POST & CORE system is a laser sintered monobloc, designed to prevent the wedging effect. The posts have a conical shape for perfect post space adaptation. The translucency of the fibre free post, supported by the lens design, allows uninterrupted light transmission for complete polymerization.

The adhesive bonding also avoids the wedging effect. The preparation of the core has a similar feel to that of the natural tooth and makes handling easier. The opaque buildup in A1 also offers various anatomical forms. It is possible to carry out the treatment in just one session, which is both time and cost effective for patient and dentist alike.

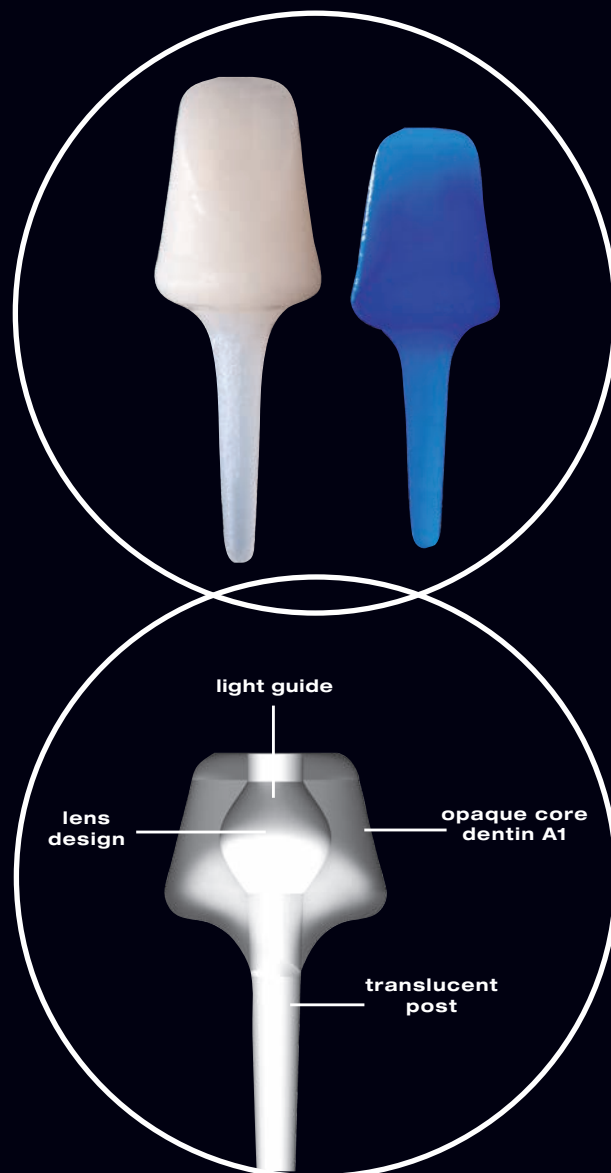


Translucent Post for periapical light polymerisation

Light Source:
"VALO by Ultradent"

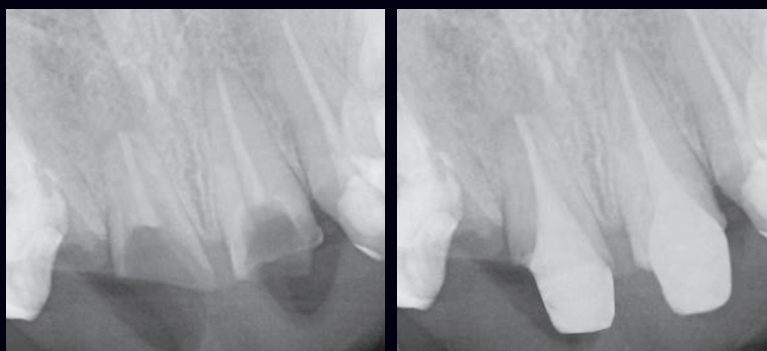


**Optimised workflow
reduces chairtime
up to 40 percent**



The edelweiss POST & CORE system is a simple and a quick solution for all your post-endodontic needs. The one-piece composite POST & CORE can be customized as per the needs of the tooth with a true monobloc effect.

It is an ideal choice for rebuilding and strengthening broken down teeth. Cementation using edelweiss flowable composite, dual cure composite material or adhesive resin cement.





Dr. Deepak Mehta
B.D.S, M.D.S, PhD
Bangalore, India

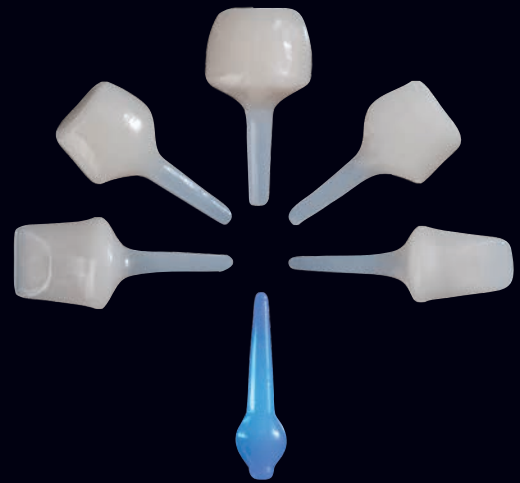
DIRECT SYSTEM

POST & CORE

edelweiss POST & CORE

"The material of the edelweiss POST & CORE is barium glass, strontium and zinc oxide (antibacterial) embedded in resin. The crystals are sintered to a monobloc which leads to perfect mechanics within the material. The flexural strength is similar to that of natural tooth. Congruent precision dental drilling creates a perfectly prepared post space. Different sizes of drills enable therapy for all dental anatomies. There are three different types of the edelweiss POST & CORE: anteriors, premolars and molars."

"The difference lies in the force buffer of the monobloc"



ADVANTAGES

- Prefabricated POST & CORE
- Translucent post for periapical light polymerisation
- Innovative monobloc of post and core with A1 buildup for natural integration
- Monobloc avoids wedging effect
- Biocompatible
- Flexural modulus 20 GPa like Dentin (15 - 20 GPa)
- Radio-opaque
- Cuts like dentin
- Superior adhesion to the root canal
- One session, reduced treatment time
- Time and cost effective

PRODUCT RANGE

Anterior

Premolar

Molar

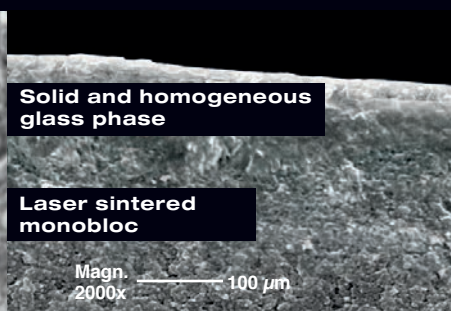
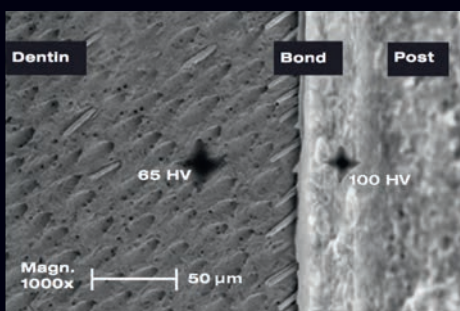


Universal post when tooth walls remaining

Anterior

Premolar

Molar



Technical Data	POST & CORE
Flexural Strength	200 MPa
Compressive Strength	550 MPa
Flexural Modulus	20 GPa
Surface Hardness	100 HV

(Source: internal data: R&D and QM department edelweiss dentistry)



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DIRECT SYSTEM

PEDIATRIC CROWN

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A Breakthrough in Pediatric Dentistry

edelweiss
DENTISTRY

edelweiss PEDIATRIC CROWNS are made of a laser sintered barium glass, which makes them both highly antibacterial and plaque resistant.

These crowns are biocompatible; they have the same abrasion as natural teeth, hence the edelweiss PEDIATRIC CROWN does not damage the antagonist tooth.

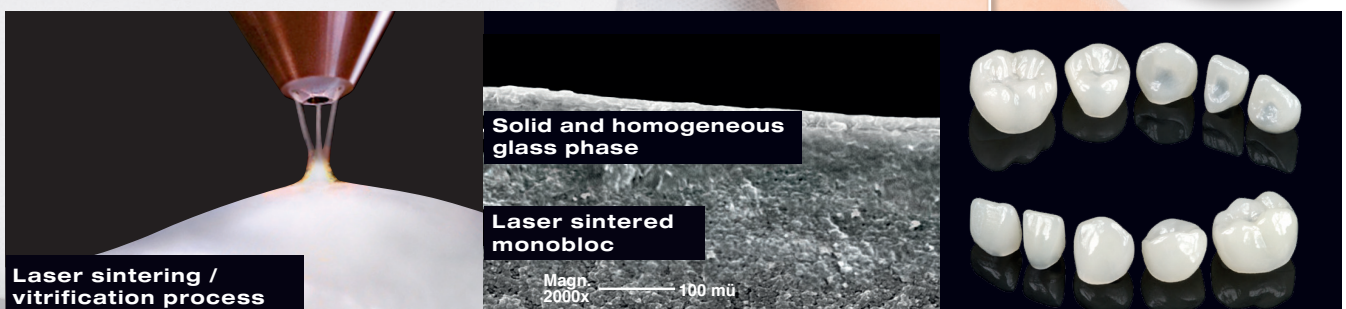
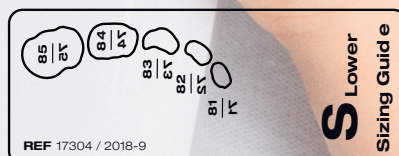
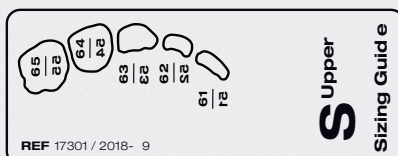
The mesial and distal margins of the edelweiss PEDIATRIC CROWN follow the natural gingival line of the milk teeth.

The edelweiss PEDIATRIC CROWN perfectly imitates the natural milk tooth in both form and function. The pre-fabricated, bio esthetical morphology allows for a quick and safe treatment.

You can achieve maximum esthetical results, which are minimally invasive, in one appointment. No matter what the dental situation, edelweiss has the right crown for it.

Explore our revolutionary
**«DIRECT SYSTEM -
PEDIATRIC CROWNS»**
a safe and easy treatment
creating healthy smiles
for children.

PEDIATRIC CROWN - SIZING GUIDE SIZES: S, M, L (UPPER AND LOWER)





Dr. Jessica J. Sidharta
D.M.D. C.D.T.

edelweiss PEDIATRIC CROWN

"The treatment of carious milk teeth needs more attention, ability and concentration on the part of the dentist. Up until now, stainless steel crowns were for me the single and easiest way of getting a functional restoration with minimal costs.

But most kids and their parents were very disappointed with the dark looks and poor esthetics. Even after explaining to parents about the function in these cases they were not satisfied. Parents wanted both esthetics and function in a single crown. For me the edelweiss PEDIATRIC CROWNS are the perfect way to administer a perfectly naturally esthetic crown with minimal invasive procedures where I am in total control of the final outcome. The edelweiss PEDIATRIC CROWN has all the qualities on an ideal pediatric crown that I need."

"The difference lies in its easy and safe treatment."



YESTERDAY

TODAY



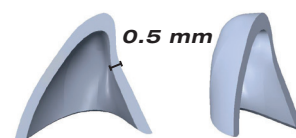
ADVANTAGES

- Prefabricated for all types of milk teeth in three universal sizes
- Morphology protects the pulpal-peaks of milk teeth
- Minimally-invasive
- Cuts like a natural tooth
- Biocompatible & Bio-functional
- Antibacterial and plaque resistant
- Natural abrasion-behavior
- Repairable
- Cost-effective

INDICATIONS

- Anterior and posterior restorations
- Discolorations
- Morphological deformations
- Diminished enamel quality
- Increasing carious activity
- Nickel-intolerance
- Post-vital extirpation with reduced tooth material and following root treatment
- Restoration after trauma

TECHNICAL DATA



PEDIATRIC CROWN
thickness: 0.5 mm

Technical Data	PEDIATRIC CROWN
Flexural Strength	200 MPa
Compressive Strength	550 MPa
Flexural Modulus	20 GPa
Surface Hardness	100 HV

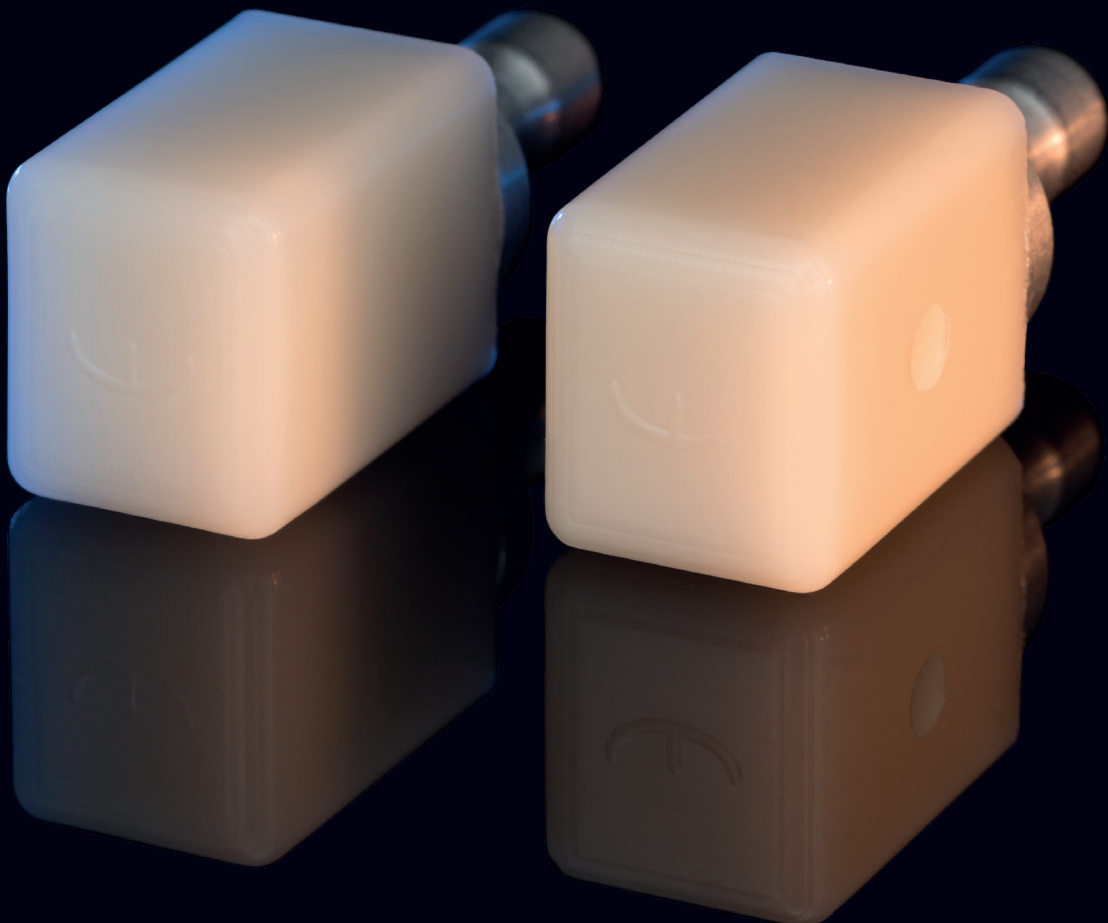
(Source: internal data edelweiss dentistry)

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edelweiss CAD/CAM BLOCK T-BLOCK/C-BLOCK/i-BLOCK

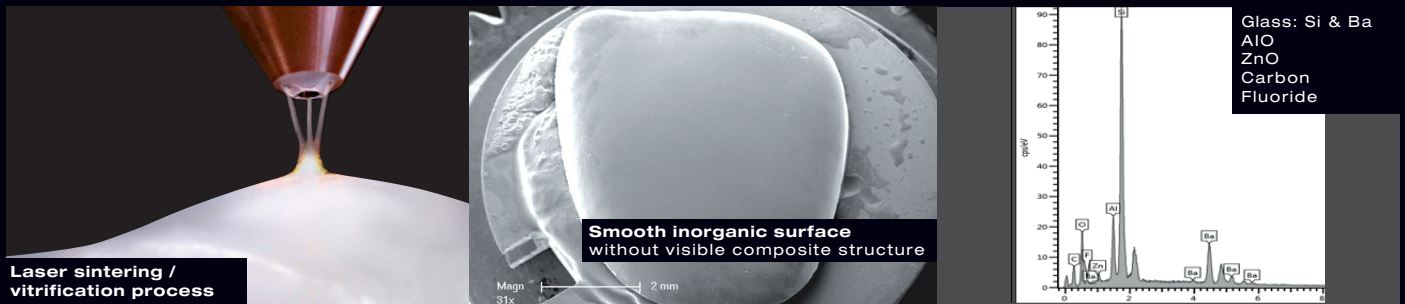
*Explore a single glass-phase embedded in a hybrid matrix
developed by the patented edelweiss laser sintering process*

■ Minimally Invasive ■ Bio Esthetic ■ Bio Functional



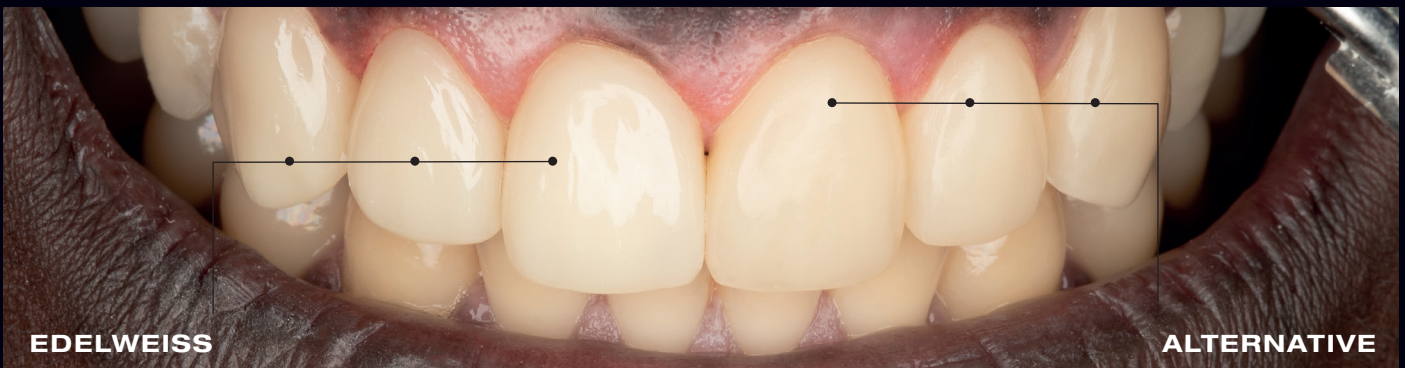
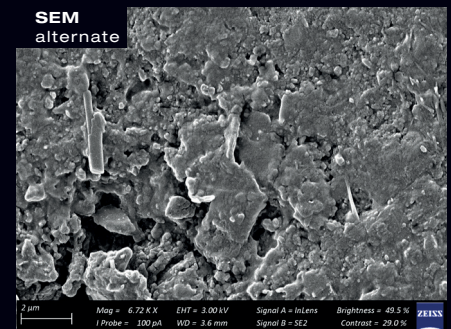
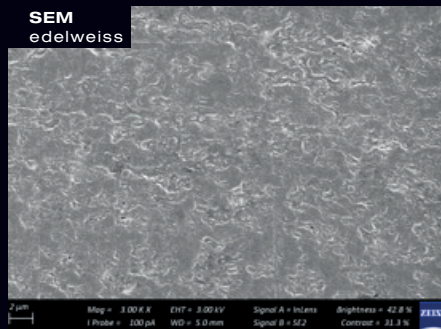
edelweiss CAD/CAM BLOCK

T-BLOCK/C-BLOCK/i-BLOCK



Dr. Marco Tutts
DDS, MScD

"The difference lies in the high similarity with nature."



ADVANTAGES

- Ultrafine sintered glass microstructure combines high strength with permanent high gloss
- Shorter milling time
- Kinder to the milling burs
- No additional firing required, simply polish and cement
- Simple cementation procedure with proven perfect seal
- Cost saving, faster processing time reduces chairside time
- Biomechanical and biocompatible
- Esthetically superior, life-like appearance
- Restoration can be easily finetuned or repaired by the dentist

SPLIT MOUTH CLINICAL STUDY

After 4 weeks: edelweiss VENEERS maintain its original gloss and anatomy. Alternate veneers look dull and start to chip, with loss of its surface texture. Scratches appear on the surface of the alternate veneers as a result of tooth brush abrasion while the edelweiss VENEERS has its original shine.

T-BLOCK
Translucent Enamel

i-BLOCK Implant
Translucent Enamel & Chroma

C-BLOCK
Chroma



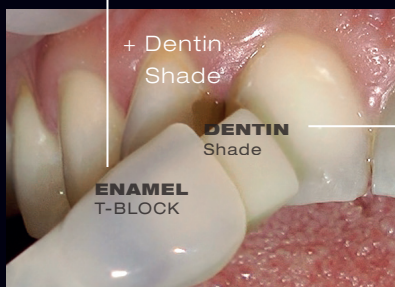
Enamel

A0

A1

A2

A3



Enamel
+A0 Dentin



Enamel
+A1 Dentin



Enamel
+A2 Dentin



Enamel
+A3 Dentin

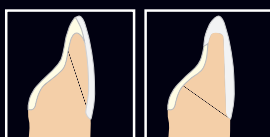
ONLY BLOCK ON THE MARKET WITH A SOLID GLASS PHASE

KEY FEATURES

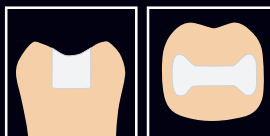
- Glass as a single phase for esthetics
- Silica glass plus Aluminium oxide for compressive strength
- Hybrid matrix for elasticity
- ZnO and F⁻ for biocompatibility

INDICATIONS

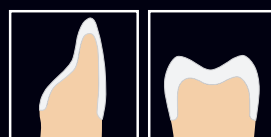
THIN VENEERS / VENEERS



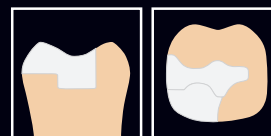
INLAYS



ANTERIOR / POSTERIOR CROWNS



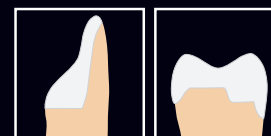
ONLAYS



OCCLUSAL VENEERS IMPLANT CROWNS



PARTIAL CROWNS



CAD/CAM BLOCK	Manufacturing Process	Flexural Strength Biaxial	Three Point	Compressive Strength	Flexural Modulus	Surface Hardness
Vita Enamic	Dispersed, chemical cured ceramic fillers	n/a	155 MPa	n/a	30 GPa	n/a
Lava Ultimate	Chemical cured ceramic fillers (methacrylate based)	n/a	204 MPa	383 MPa	12.8 GPa	n/a
BRILLIANT Crios	Chemical cured ceramic fillers (methacrylate based)	262 MPa	198 MPa	426 MPa	10.3 GPa	n/a
Shofu HC	Chemical cured ceramic fillers (methacrylate based)	n/a	191 MPa	472 MPa	9.6 GPa	66 HV
Tetric CAD	Chemical cured ceramic fillers (methacrylate based)	273.8 MPa	n/a	n/a	10.2 GPa	n/a
Cerasmart	Dispersed, chemical cured ceramic fillers	246 MPa	n/a	n/a	9.6 GPa	n/a
edelweiss *	Laser cured and sintered glass phase	320 MPa	200 MPa	550 MPa	20 GPa	100 HV

* edelweiss internal data (ISO 4049)

Source: Technical data from manufacturer's documentation.

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PATIENT CASES

Bruxism / C-BLOCK

YESTERDAY



TODAY



VENEER / T-BLOCK

YESTERDAY



TODAY



Implant / i-BLOCK

YESTERDAY



TODAY



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