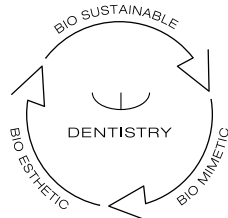


DIRECT SYSTEM



edelweiss
DENTISTRY

shaping the future of dentistry

Bio-Esthetics and function in one appointment

The edelweiss SYSTEMs with its natural concept of the layering technique is the quint-essence of bio-esthetics, bio-mimetics and bio-compatible restorations in direct, semi-direct and indirect digital workflows.

It offers the clinical user as well as the technician a precise understanding of the inner structure of the natural tooth, its optical as well as functional properties and enables the development of unsurpassed bio-esthetics and bio-function with simple, controllable technical and clinical procedures.

Its unique patented production process consists of a modern laser sintering and vitrification process that produces a material with outstanding physical and esthetic properties.

The end result of this manufacturing process is a single glass-ceramic phase embedded in a carbon matrix to obtain a material that:

1. resembles esthetics of pure glass ceramics
2. strength of particle filled ceramics
3. simulates the modulus of elasticity of dentin

The bio-mechanical properties have been reconstructed optimally, merged together with natural bio-esthetics.

Index

	Page
Introduction	2
The Composition VENEER	4 - 7
Case Documentations VENEER	8 - 13
- Ceramic Crown Facing	11
- Periodontal Veneer Case	12
The Progressive Technical Concept VENEER	14
The Technical Aspects VENEER	15
Technical Data	16
Sizes VENEER	17
Natural Layering Technique	18
Shades	19
Step by Step VENEER	20 - 21
Innovation OCCLUSIONVD	22 - 23
The Composition OCCLUSIONVD	24 - 25
The Progressive Technical Concept OCCLUSIONVD	26 - 27
The Technical Aspects & Sizes OCCLUSIONVD	28 - 29
The Vertical Dimension OCCLUSIONVD	30 - 35
Step by Step OCCLUSIONVD & VENEER	36 - 45
Full Mouth Rehabilitation OCCLUSIONVD & VENEER	46 - 49
Metal Ceramic Crown Repair OCCLUSIONVD	50 - 51
Toolboxes	52 - 53
Refills	54 - 55



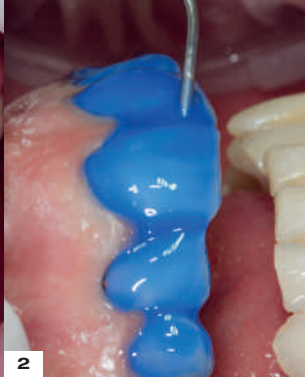
The Composition



DIRECT SYSTEM
VENEER



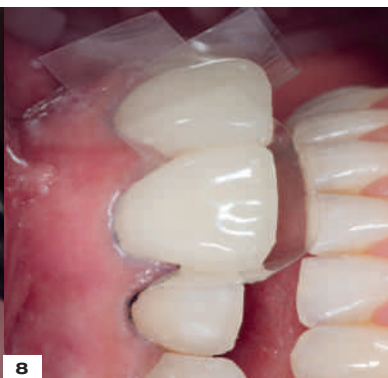
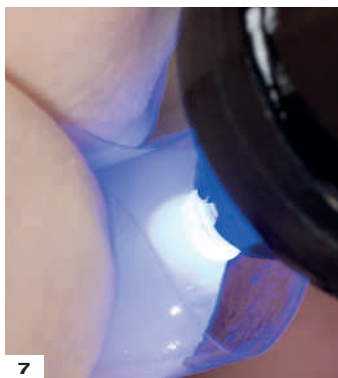
YESTERDAY TODAY



- 1 Non-prep preoperative situation with retraction cord. (OO ultrapak)
- 2 Etching with UPI Ultra-Etch
- 3 Applying UPI Peak Universal Bond



- 4 Adjusted & filled VENEER
- 5 Application of VENEER
- 6 Position & press the VENEER into place



- 7 Tack curing near the incisal edge with VALO, UPI
- 8 Cemented VENEER
- 9 Finishing of incisal edges

ADVANTAGES

One appointment
Minimally invasive
Natural look
Long lasting
Bio-compatible
Economical

DIRECT SYSTEM

VENEER



INDICATIONS

- Anterior and posterior restorations
- Tooth discolorations
- Anatomical deformities
- Diastema
- Attrition
- Semi- direct and indirect restorations
- Crown facings

YESTERDAY TODAY



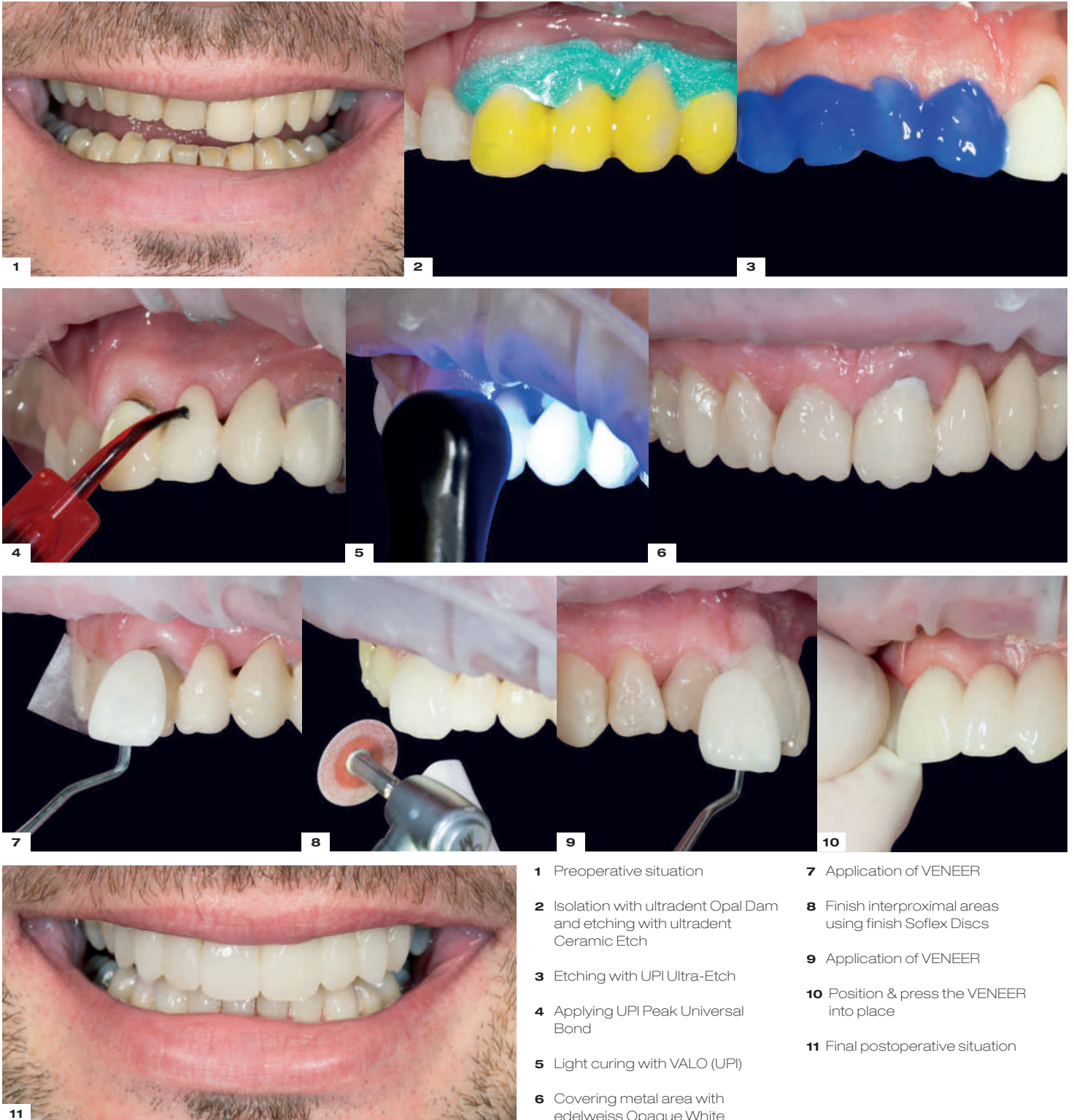
DIRECT SYSTEM VENEER



YESTERDAY TODAY



Ceramic Crown Facing



Periodontal Veneer Case

BEFORE



AFTER



Incorporating facial placed fibres in combination with edelweiss VENEERS provides stability and natural esthetics.

DIRECT SYSTEM
VENEER



The Progressive Technical Concept

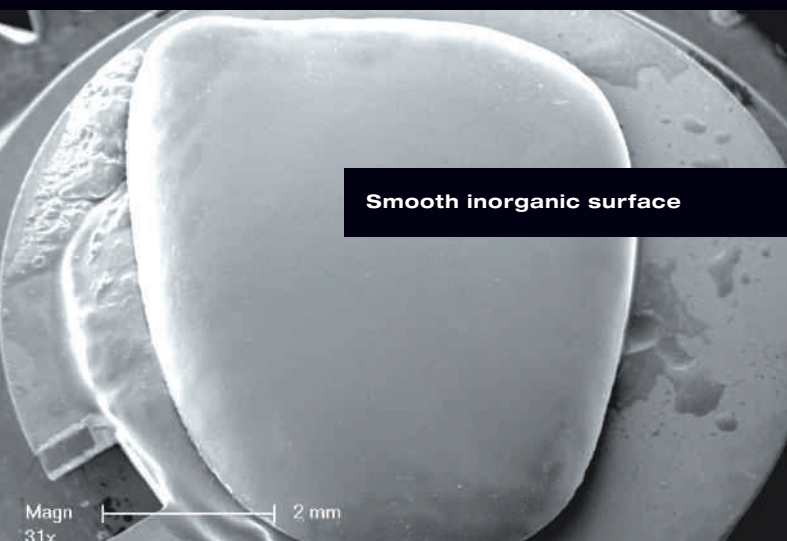
edelweiss VENEER

The laser-treated process combines the best of two worlds: a homogenous, inorganic and high-gloss surface with a laser sintered and dynamic bio-ceramic core to produce optimal integration between function and esthetics. The difference is in its similarity to nature.

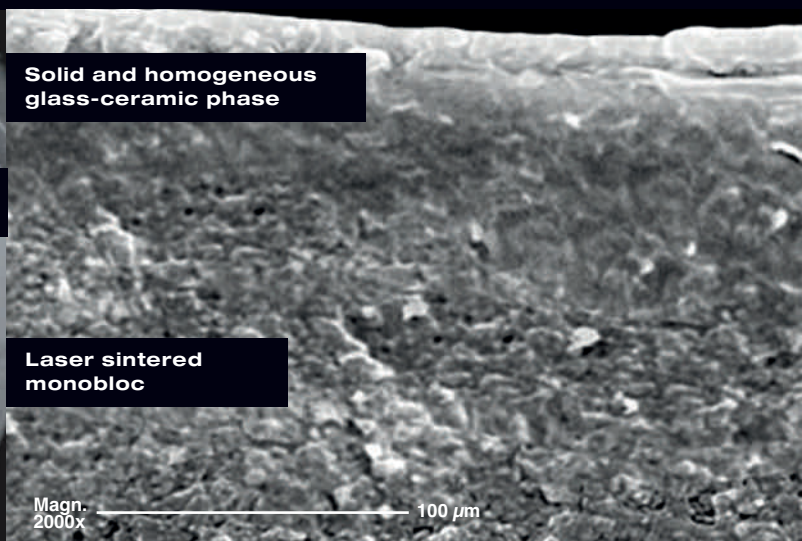
CERVICAL AREA:
0.2 mm

FACIAL AREA:
0.6 mm

INCISAL EDGE:
1.0 - 1.3 mm



Smooth inorganic surface



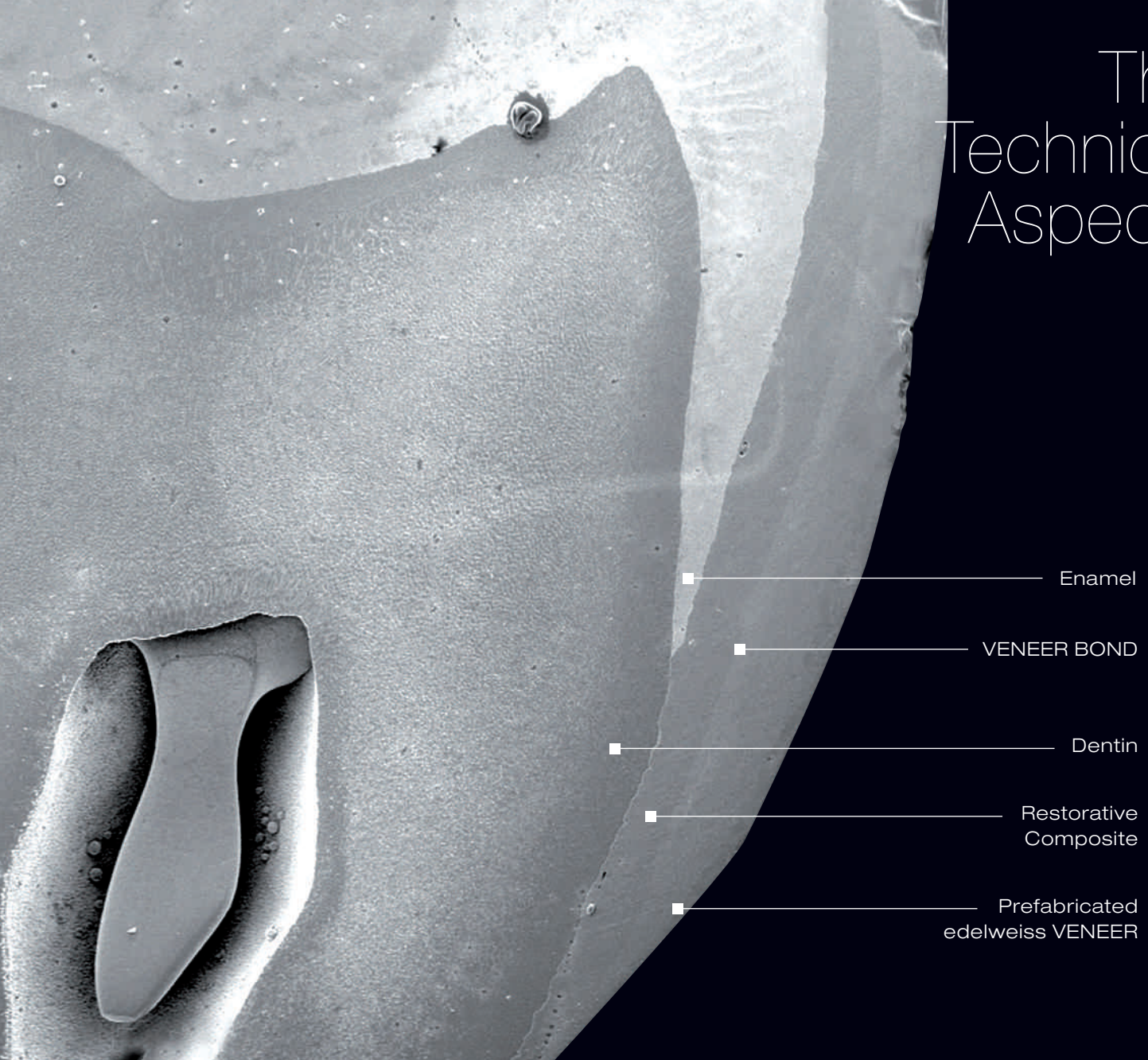
Solid and homogeneous
glass-ceramic phase

Laser sintered
monobloc

Magn.
2000x

100 μm

The Technical Aspects

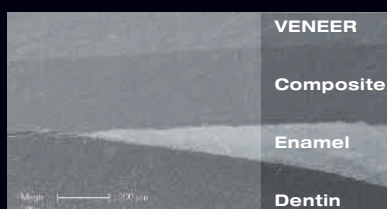


View of a sectioned extracted human molar with a cemented prefabricated edelweiss VENEER bonded to half of the enamel surface and the other half to the dentin surface.
Study available at www.edelweissdentistry.com

Fatigue behavior for edelweiss VENEERS:

A recent in vitro study demonstrated that prefabricated edelweiss VENEERS cemented onto the enamel and dentin surface of molars, effectively resisted simulated functional fatigue and load testing. Virtually no defects were observed at both the enamel and dentin margins, either before or after loading, which typically represents the most vulnerable area of a restoration.

The most relevant observation made was obtained upon the evaluation of the inner adaptation of the restoration. No defects were visible at the interface of the enamel or in between the restorative composite and the edelweiss VENEER, which confirmed the excellent bonding strength and stability at both interfaces (dentin/enamel to composite, composite to edelweiss VENEER).

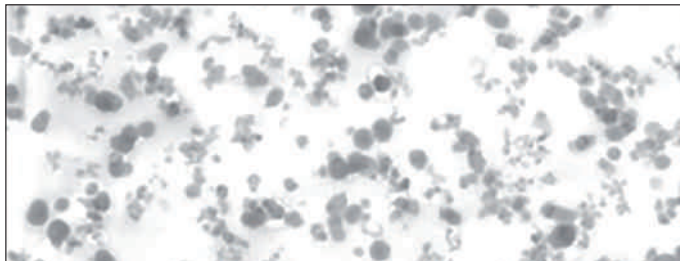


**Université
de Genève**

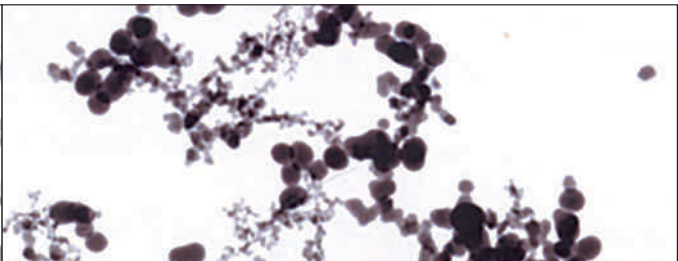
Prof. Dr. Didier Dietschi
D.M.D, PhD, Privat-Docent
Specialist SVPR
Associate. Professor

Technical Data

NANO PARTICLE
(500 nm)



SILICIA GEL
(500 nm)



The Nano Hybrid Composite:

Fillers with particle sizes in the nano meter range („nano particles“) show a strong tendency of aggregation and agglomeration. Therefore they do not reach their full potential for improvements of the properties of the composite (e.g. shrinkage, modulus, mechanical strength). These aggregated and agglomerated nano particles are known for a long time and are used in dental materials (Impression materials, composites) for many years. The challenge is to provide these particles in separated morphology. With the technology used in edelweiss Composites the particles can be separated to a great extend. This is shown in the left picture. Here the nano particles can reach their full potential for improvements of shrinkage, modulus and mechanical strength.

Mechanical properties & benefits:

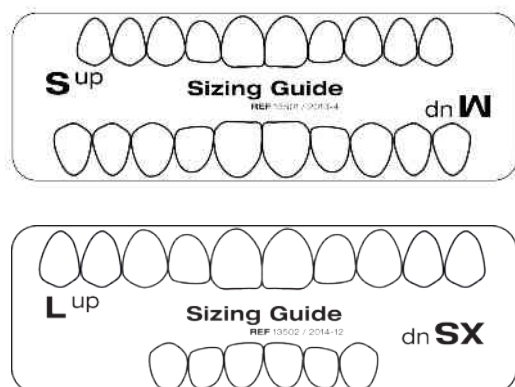
- Low shrinkage due to nano-technology and high amount of filler 82 %
- Good abrasion resistance
- Very good physical and mechanical properties
- Antibacterial surface due to zinc and fluoride particles in the filler
- Easy polishing
- Natural fluorescence and opalescence

(Source: internal data from edelweiss dentistry)

	COMPOSITE	FLOWABLE	VENEER
Flexural Strength	150 MPa	120 MPa	200 MPa
Compressive Strength	480 MPa	350 MPa	550 MPa
Flexural Modulus	12.5 (dentin) - 16 GPa (enamel)	6 GPa	20 GPa
Surface Hardness	80 HV	68 HV	100 HV
Polymerization Shrinkage	2.50 %	N.A.	—

4 UPPER SIZES

Upper Jaw (XS, S, M, L)

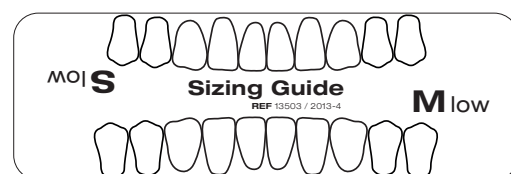


VENEER SIZES Based on a study of all shapes and size variations of natural tooth anatomy, prefabricated and contourable universal VENEER shapes for the upper and lower arch were developed in the following range of sizes:

- 20 lower S/M, 10 each
- 30 upper S/M/L 10 each
- 6 upper XS

2 LOWER SIZES

Lower Jaw (S, M)



THE SELECTION of the tooth shape is performed with the available Sizing Guide. (edelweiss VENEER Sizing Guide). The Sizing Guide is positioned over the teeth to be restored, in which the visible profile allows for proper selection of the best fitting edelweiss VENEER. Adjustments can be illustrated directly on the template.

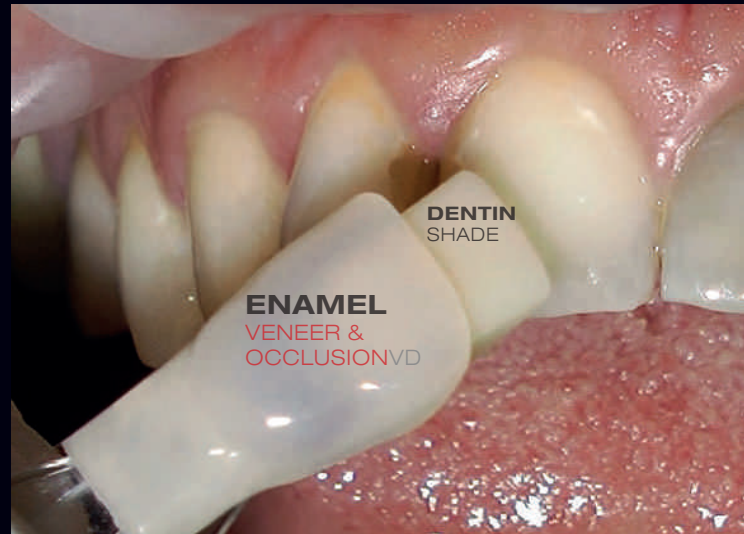


Natural Layering Technique

The concept was proposed in 1995 by Prof. Dr. D. Dietschi and was published for the first time in 1997. It is based on the idea of creating a synthesis between light, material and color in order to mimic the natural tooth structure.

edelweiss COMPOSITE restructures teeth using two toothlike masses that are comparable to dentin and enamel to create restorations with natural looking results.

The optical characteristics of natural dentin and enamel were measured separately. The resulting color codes served as a reference towards the development of the edelweiss COMPOSITE. One shade system that covers the complete range of possible tooth colors.



5 DENTIN

Single opacity - same hue, but different chroma levels - fluorescence. From Dentin A0, for the restoration of bleached teeth to Dentin A3.5, for cervical restorations of darker teeth for elderly patients.

Dentin Body shades exhibit high opacity and fluorescence which correspond to natural shades of dentin.



Dentin A0 Dentin A1 Dentin A2 Dentin A3 Dentin A3.5

1 ENAMEL

Enamel shade intensifies the translucency, which increase the true opalescence for all optical variations found in natural dentition.

Basic Tint:
Enamel



Enamel

3 EFFECT SHADES

Effect Blue serves to enhance blue-opalescent effects of the incisal edge. Effect Ice helps to simulate widespread enamel opacities. Opaque White is mainly used in combination with other shades to produce "opaquers" of a desired shade to cover either severely discolored tissues or metals.

Tint:
Effect Blue, Effect Ice,
Opaque White



Effect Blue Effect Ice Opaque White

DIRECT SYSTEM COLOR RANGE

edelweiss-shade / vita-shade



edelweiss SHADE SYSTEM

ENAMEL **VENEER & OCCLUSIONVD** + **DENTIN** / **ENAMEL**

edelweiss VENEERS & OCCLUSIONVD consist of the shade Enamel - Vita Enamel A0. The respective dentin and enamel shades used to cement the edelweiss VENEER & OCCLUSIONVD will determine the final shade tone of the restoration.

Example: edelweiss VENEER (Vita Enamel Shade A0) cemented with Dentin Shade A3 (Vita Dentin Shade A3) will result in the Vita Dentin Shade A3.

ENAMEL

Shade of edelweiss

VENEER & OCCLUSIONVD



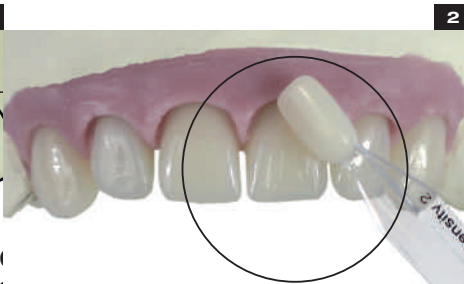
VENEER & OVD
+ Enamel ——— **ENAMEL**

FOR BRIGHTNESS & MAXIMUM BLENDING IN OF
NATURAL TOOTH COLOR AND LUMINANCE

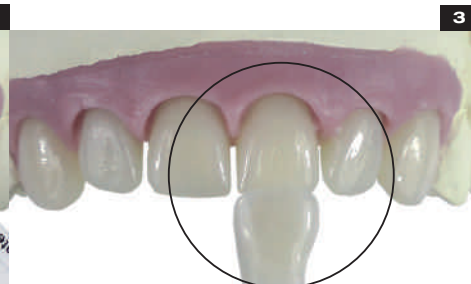
Step by Step



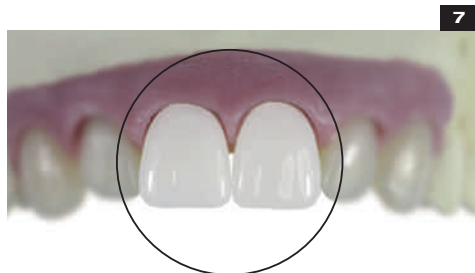
Select size for VENEER using edelweiss Sizing Guide. (single or combined VENEER Sizes)



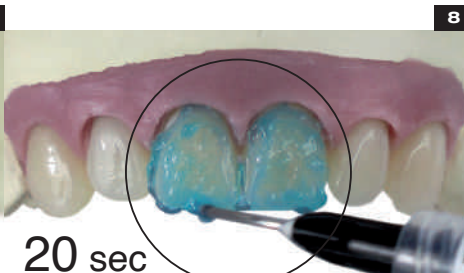
Select the dentin shade at cervical area with Shade Guide.



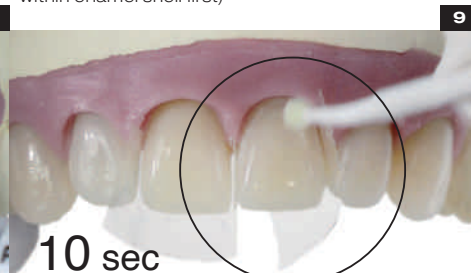
Placing the Enamel VENEER shell over the dentin core. (for light refraction place glycerine within enamel shell first)



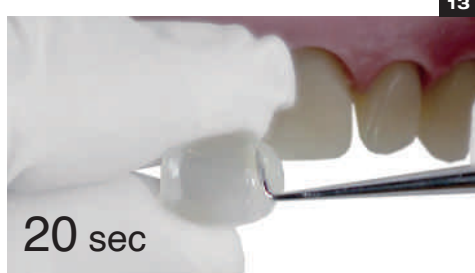
Trial fit visualization of edelweiss VENEERS. (facial view)



Apply Ultra-Etch (UPI) for 20 sec., then rinse and slightly dry, leaving surface slightly damp.



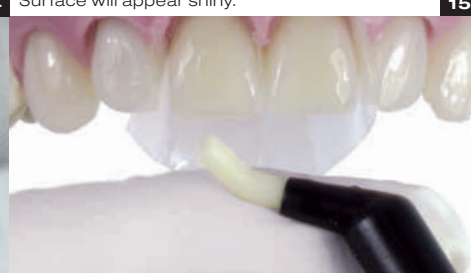
Place a puddle coat of Peak Univ. Bond (UPI) on tooth and gently agitate for 10 sec. Blow air using half pressure to thin and remove solvents. Surface will appear shiny.



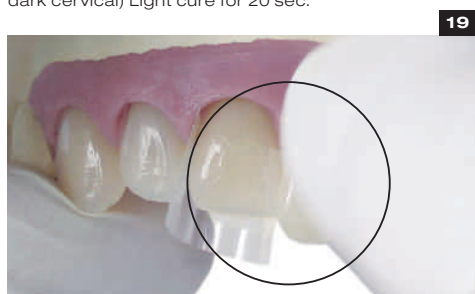
Optional: Characterization using edelweiss Composite Flow or Effect Shades. (Mamelon, dark cervical) Light cure for 20 sec.



Clean finger with isopropyl alcohol wipes.



Dispense 1 cm strip of Nano-Hybrid Composite onto finger tip.



Position and cement edelweiss VENEER into place. TIP: Reduce surgical light.



Contour excess edelweiss Nano-Hybrid Composite.



Remove excess edelweiss Nano-Hybrid Composite.



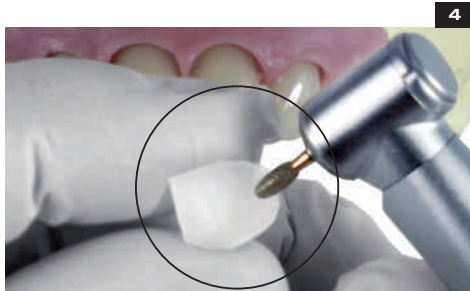
Finish interproximal margins using fine finishing diamond. (40 µm / 8 µm)



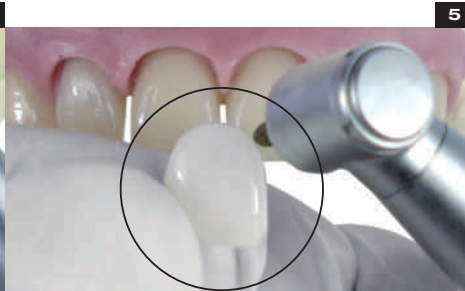
Finish interproximal areas using finishing Strips or Soflex Discs.



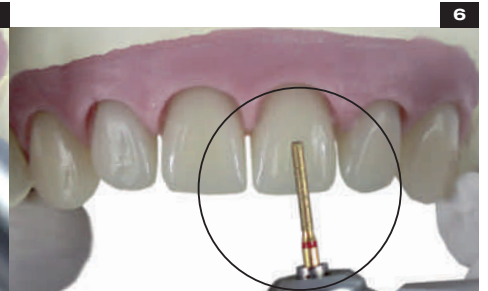
Polish interproximal areas using interproximal polishing Strips or Soflex Discs.



Sharpen the marginal edges and roughen inner surface of the edelweiss VENEER.



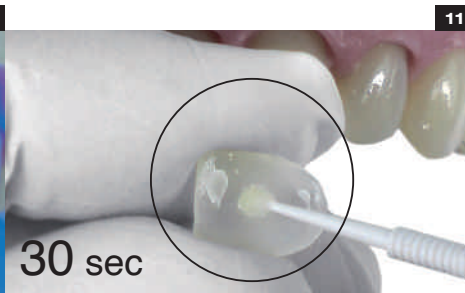
Adapt the fit and shape along the gingival margin.



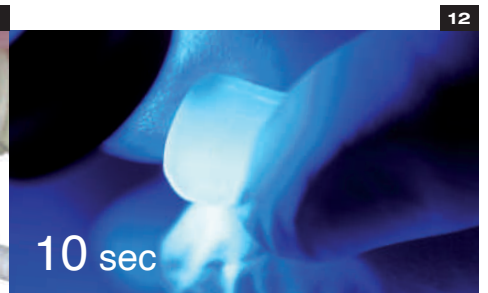
Minimally invasive tooth preparation.



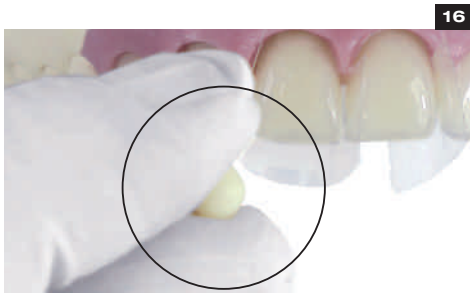
With VALO (UPI) cure for 10 sec. at standard power. With other Light cure for 20 sec.



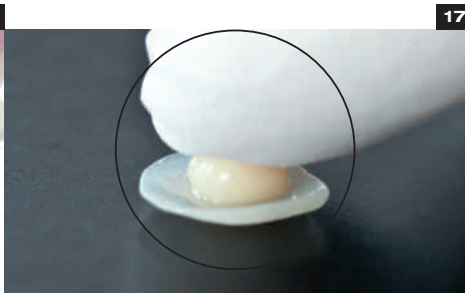
Apply DIRECT VENEER Bond onto inner surface of edelweiss VENEER - 30 sec.



With VALO (UPI) cure for 10 sec. at standard power. With other Light cure for 20 sec.



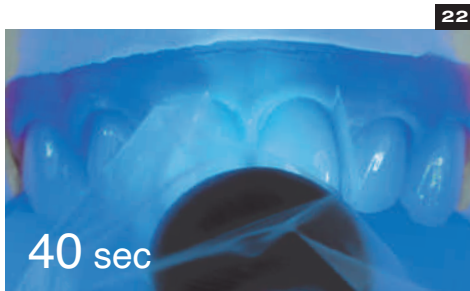
Shape Nano-Hybrid Composite into a small, round ball.



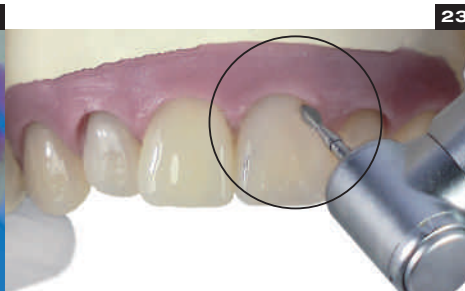
Place and press Nano-Hybrid Composite into concave surface of VENEER.



Adapt N.-H. Composite into edelweiss VENEER. (Optional: characterize using flowable Enamel composite or Effect Shades, translucent on incisal area).



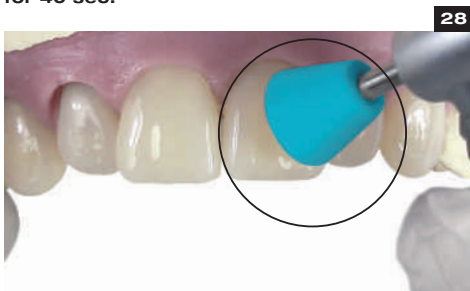
After positioning light cure with VALO (UPI) palatal and facial side of edelweiss VENEER for 40 sec.



Finish cervical margins using fine finishing diamonds. (40 µm / 8 µm)



Finish incisal edges using fine finishing diamonds. (40 µm / 8 µm)



Polish cervical areas using silicone rubber polishers (moistened).



Final postoperative situation.

Bio-Esthethic & Function



DIRECT SYSTEM

OCCLUSIONVD

INNOVATION

Thanks to their unique laser-sintering manufacturing process, the translucent enamel and occlusion shells (edelweiss VENEER & OCCLUSIONVD) stand out for their inorganic, high-gloss surface with a laser sintered and dynamic bio-ceramic core. The occlusions represent the anatomic foundations for single or complete reconstructions and for increasing the vertical dimension (OVD) in the posterior region. Hence, a functioning anterior cuspid guidance can also be obtained using edelweiss VENEERS.

The Composition



DIRECT SYSTEM OCCLUSIONVD

Patient did not accept rubber dam placement
Step by Step description on page 36 / 37



ADVANTAGES

- Minimally invasive
- Clinically effective
- Natural look
- Long lasting
- Bio-compatible
- Economical

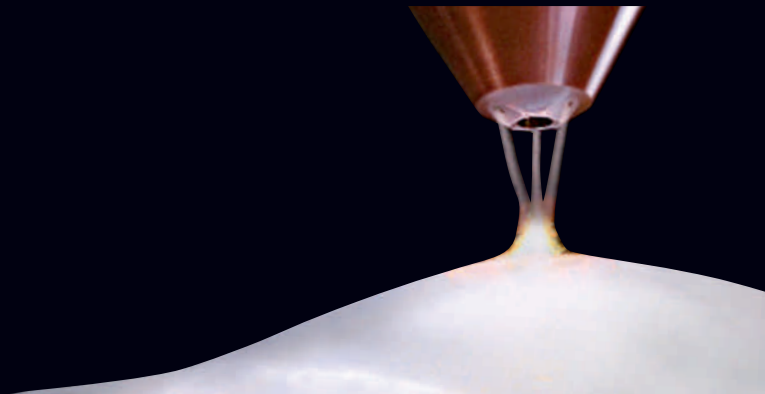
INDICATIONS

- Anterior and posterior restorations
- Tooth discolorations
- Anatomical deformities
- Erosion
- Attrition
- Lifting the vertical dimension (CMD)
- Semi- direct and indirect restorations
- Crown Facings

The Progressive Technical Concept

edelweiss VENEER & OCCLUSIONVD

The laser-treated process combines the best of two worlds: a homogenous, inorganic and high-gloss surface fused together with a thermally-tempered and dynamic bio-ceramic core produce optimal integration between function and esthetics. The difference is in its similarity to nature.



Smooth inorganic surface

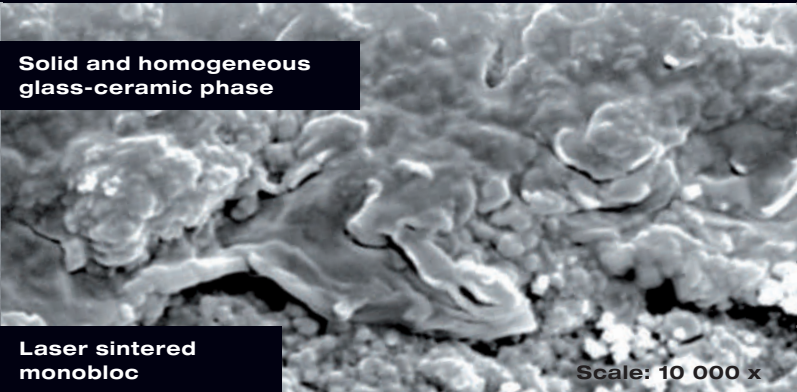
DIRECT SYSTEM

OCCLUSIONVD



MARGINAL AREA:
0.2 mm

OCCLUSION AREA:
0.6 - 1.3 mm



Solid and homogeneous glass-ceramic phase

Laser sintered monobloc

Scale: 10 000 x

	OCCLUSIONVD
Flexural Strength	200 MPa
Compressive Strength	550 MPa
Flexural Modulus	20 GPa
Surface Hardness	100 HV

(Source: University of Geneva / internal data edelweiss dentistry)

The Technical Aspects & Sizes

MAXILLA

SHAPES & SIZES

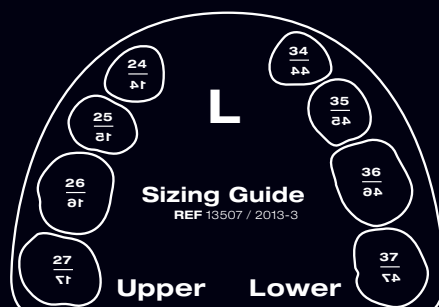
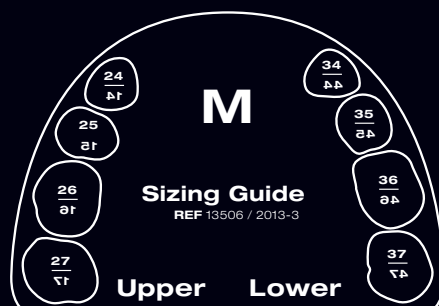
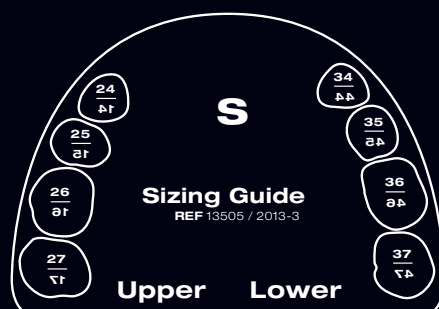
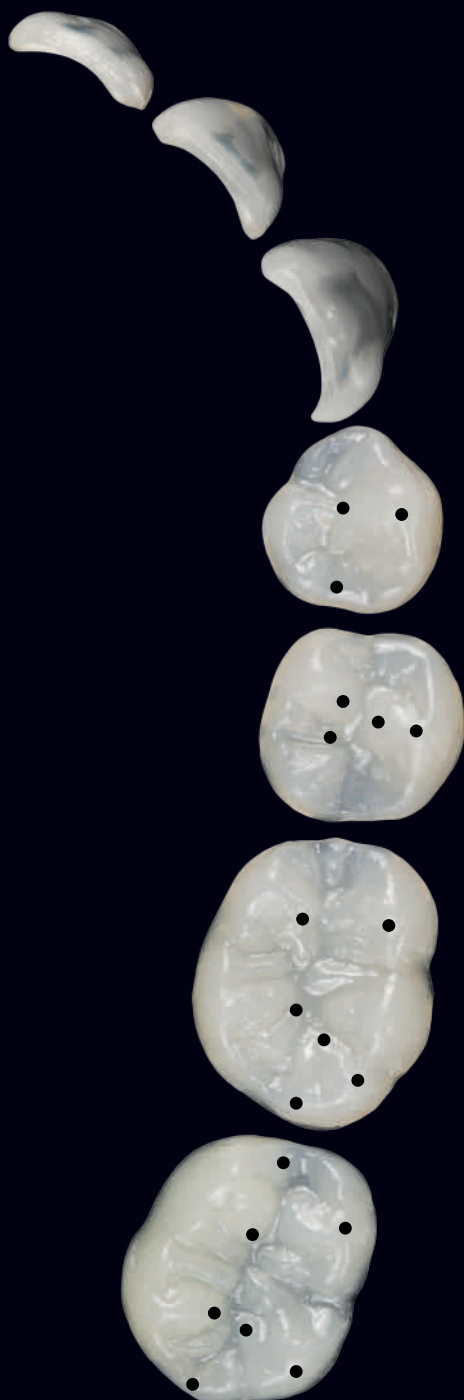
Based on a study of all shape and size variations of natural tooth anatomy, prefabricated and contourable universal occlusion shapes for the upper and lower arches were developed.

THE SELECTION of the tooth shape is made using the available sizing guide (OCCLUSIONVD - Sizing Guide). The sizing guide is positioned over the teeth to be restored, and the outline allows for proper selection of the best-fitting occlusion.

MORPHOLOGY Ultra-thin, anatomical occlusions in three sizes (S, M & L). The glass component in the composite filler and laser treatment of the surface give the material nature-like mechanical properties (bio-mechanics), and the material is also bio-compatible (biology). Due to the natural morphology, the prefabricated edelweiss OCCLUSIONVDs are very easy to incorporate into an existing occlusion.



MANDIBULA



The Vertical Dimension



DIRECT SYSTEM

OCCLUSIONVD



FUNCTION

edelweiss VENEERS & OCCLUSIONVD allow for minimally invasive bio-mechanical and economical treatment of the cause as well as prevention of crano-mandibular dysfunction (CMD). Furthermore, malocclusion and deep bites can also be corrected minimally invasively. By covering the occlusal surfaces, usually in the mandible, the mandible is brought into the correct position for the patient in relation to the maxilla. This makes it possible to attain functioning guidance of anterior teeth and cuspids by using edelweiss VENEERS.

LIFTING THE VERTICAL DIMENSION...

using edelweiss occlusal surfaces. In most cases the mandible is appropriate. It can often be identified by the great difference in height from the cuspid to the premolar (33 to 34 and 43 to 44). However, to ensure that lifting, and protrusion if necessary, is equal on the left and right, this needs to be tested using situation models on the articulator. In the premolar region this can mean capping up to 5 mm, and up to a further 3 mm in the molar region.

The Vertical Dimension



DIRECT SYSTEM

OCCLUSIONVD

PROCEDURE

The maxilla and the mandible models are articulated head-adequate in habitual intercuspation. Protrusion is then performed as required and the supporting pin of the articulator raised. Michigan or Partial bite splints with “stops” are prepared for the mandibular quadrants. These are fixed temporarily in the mouth, in other words, provisionally. After a few weeks this will already represent the ideal position of the mandible, possibly requiring re-occlusion. On the basis of these bite splints the mandible is articulated anew against the maxilla.

INDIRECT APPLICATION

By relining the prefabricated occlusal surfaces on existing model occlusal surfaces with composite, one can simply create a new functioning bio-mechanical, balanced and smoothly working masticular apparatus without irritations. Then the occlusions are transferred from the model to the patient's occlusions and attached via bonding and composite.

The Vertical Dimension



DIRECT SYSTEM OCCLUSIONVD

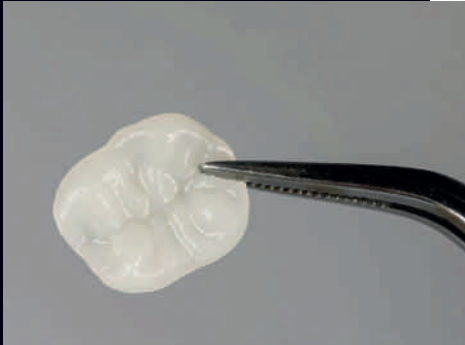
DIRECT PROCEDURE for advanced professionals: Instead of lining the occlusions on the model in the articulator, a bite registration material (silicone) is used to make an occlusal impression which accurately portrays the clearance between the maxilla and the mandible in the articulator. Using the fixed silicone bite register, direct application of the prefabricated occlusion can be performed. The silicone bite register is in each case placed unilaterally (left or right) on the patient's occlusion. In other words, when the left quadrant is restored with occlusions, the right quadrant sets the height and position of the bite elevation and thus the final position of the composite-lined and bonded occlusions on the left when biting down (replacing the supporting pin when closing the articulator).

Once the left quadrant has been restored, the right quadrant is treated. Now one can optionally prepare a further silicone register from the quadrant already restored with occlusions (left) in combination with the silicone register (right) already prepared with the articulator, which additionally guides and sets the already attained occlusal relationship between the maxilla and the mandible (left) during biting. Practised users can dispense with this silicone register (for example, on the left) as the patient now already bites on the newly gained occlusion or bite elevation during biting. After setting all occlusions, re-occlusion is performed until the desired contact points have been attained.

Step by Step

Patient did not accept rubber dam placement.

1



Relined and customized OCCLUSIONVD by dental technician.

2



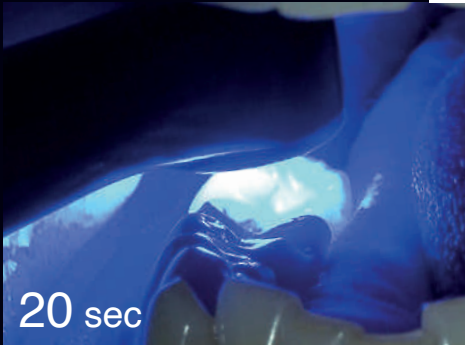
Application of VENEER Bond onto OCCLUSIONVD.

3



Gently air dry inner surface.

7



Light cure for 20 sec. with VALO (UPI) at standard power. With other Light cure for 40 sec.

8



Application of N.-H. Dentin or Enamel Composite.

9



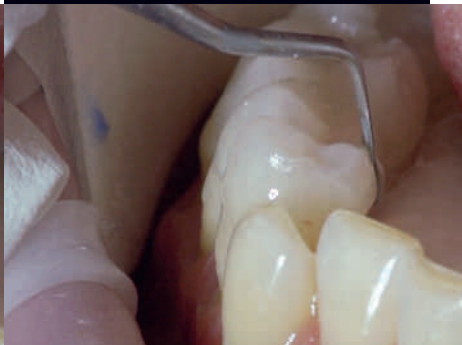
Adaptation of N.-H. Dentin/Enamel Composite.

13



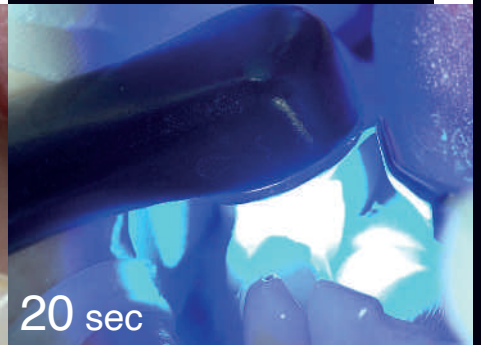
Insertion of the OCCLUSIONVD.

14



Positioning of OCCLUSIONVD and removal of surplus material. Adapt margins.

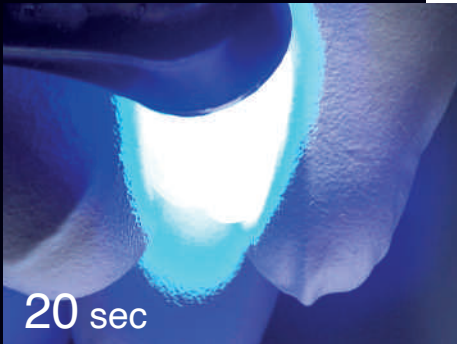
15



Floss interproximal areas then light cure for 20 sec. with VALO (UPI) at standard power. With other Light cure for 40 sec.

DIRECT SYSTEM OCCLUSIONVD

4



20 sec

Light cure for 20 sec. with VALO (UPI) at standard power. With other Light cure for 40 sec.

5



30 sec

Etching for 30 sec.

6



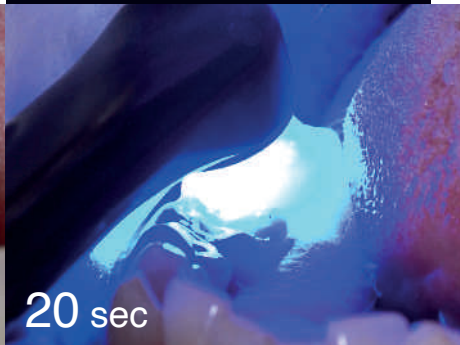
Bonding (UPI, peak universal) / Floss interproximal areas before light curing with VALO (UPI).

10



Positioning and removal of surplus material.

11



20 sec

Floss interproximal areas then light cure for 20 sec. with VALO (UPI) at standard power. With other Light cure for 40 sec.

12



Finishing of interproximal area.

16



Finish and polish margins using fine finishing diamonds and Jiffy polishers.

17



Relaxed bite position in vertical dimension.

18



Front view / space for lower VENEERS.

Step by Step

Patient did not accept rubber dam placement



Shade Guide.



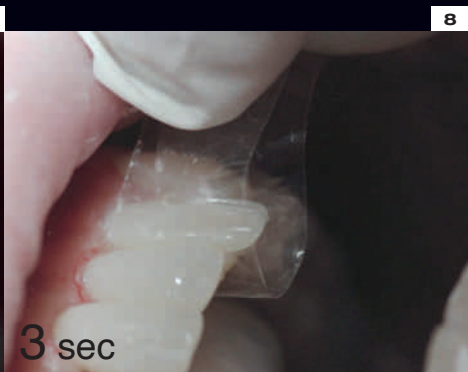
Select the dentin shade at cervical area with dentin Shade Guide.



Placing the enamel VENEER shell over the dentin core (for light refraction place glycerine within enamel shell first).



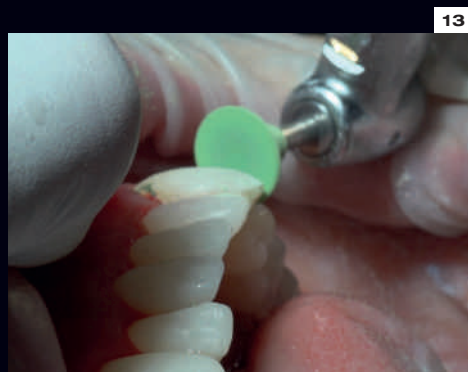
Place Mylar Strips both mesial and distal of all teeth to be treated.



Pull Mylar Strips facially to achieve smooth margins and cure through Mylar Strips for 3 sec. (VALO UPI). With other Light cure for 40 sec.



Light cure lingual and facial side of tooth for 20 sec. each (VALO UPI). With other Light cure for 40 sec.



Polish VENEER margins using silicone rubber polisher.



Visual observation.



Visual observation.



Trial fit visualization of edelweiss VENEERS.



Prepare tooth using minimally invasive techniques.



Fit and adapt the edelweiss VENEER using the gingival margin as your guide.

DIRECT SYSTEM VENEER

4



Select edelweiss VENEER size using edelweiss Sizing Guide (single or combined VENEER Sizes may be used).

5



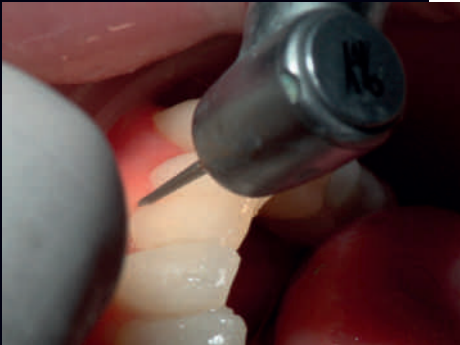
Apply Ultra-Etch for 20 sec., then rinse and slightly dry, leaving surface slightly damp.

6



First anterior VENEER in position.

10



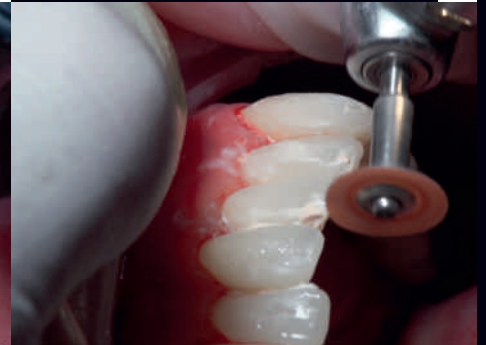
Finish cervical and interproximal margins using fine finishing diamonds.

11



Finish incisal edge using fine finishing diamonds.

12



Finish interdental areas using Soflex Discs.

16



Reocclusion.

17



Finish interproximal margins using a fine finishing diamond.

18



Proof of functional movements.

22



Sharpen the marginal edges and roughen inner surface of the edelweiss VENEER.

23



Sharpen the marginal edges and roughen inner surface of the edelweiss VENEER.

24



Trial fit visualization of edelweiss VENEERS.

Step by Step

25



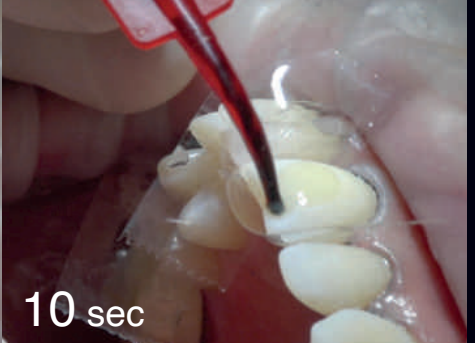
Insert retraction cord. (00 ultrapak)

26



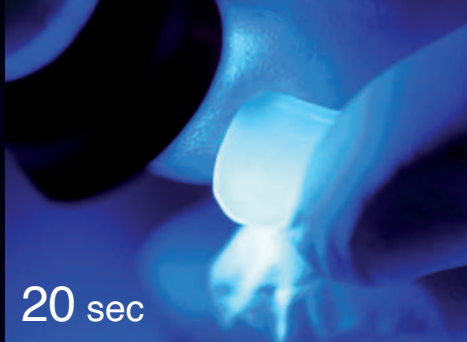
Place Mylar Strips both mesial and distal of all teeth to be treated. Apply Ultra-Etch (UPI) for 20 sec., then rinse and slightly dry, leaving surface damp.

27



Place a puddle coat of Peak Universal Bond (UPI) on tooth and gently agitate for 10 sec.

31



Light cure for 20 sec. with VALO (UPI) at standard power. With other Light cure for 40 sec.

32



Gently air dry.

33



Dispense strip of edelweiss N.-H. Composite onto inner surface of the VENEER.

37



Remove excess edelweiss N.-H. Composite from incisal edge.

38



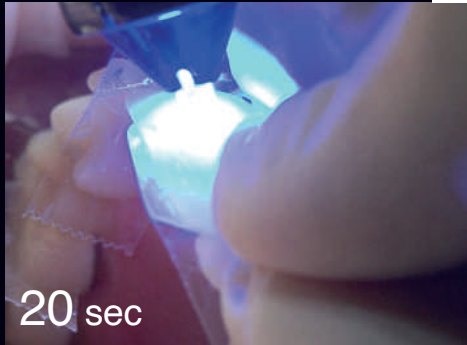
Tack cure with VALO (UPI) near the incisal edge for 3 sec. using a Point cure lens to stabilize VENEER.

39



Remove excess edelweiss N.-H. Composite from the rest of the margins.

43



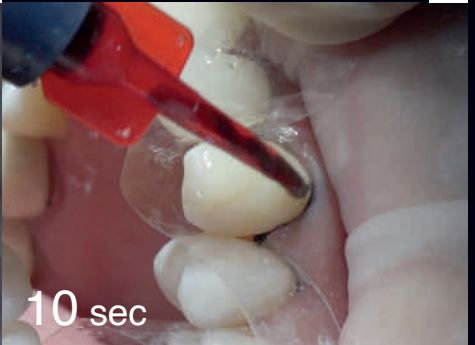
Light cure with VALO (UPI) lingual and facial side of tooth for 20 sec each. With other Light cure for 40 sec.

44



Cemented VENEER.

45



Place a puddle coat of Peak Universal Bond (UPI) on tooth and gently agitate for 10 sec.

28



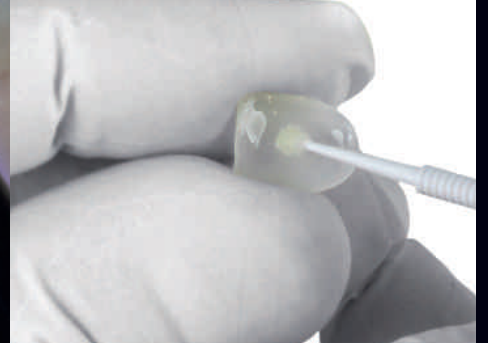
Blow air using half pressure to thin and remove solvents. Surface will appear shiny.

29



With VALO (UPI) cure for 10 sec. at standard power. With other light cure for 20 sec.

30



Place a puddle coat of VENEER Bond on edelweiss VENEER and gently agitate for 10 sec. Blow air using half pressure to thin and remove solvents.

34



Adapt N.-H. Composite into edelweiss VENEER. (Optional: characterize using flowable Enamel Composite or Effect Shades, for higher translucent on incisal area).

35



VENEER ready for placement.

36



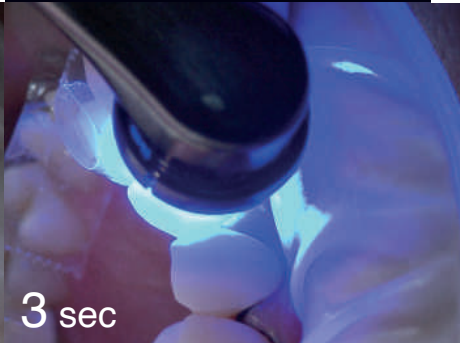
Position and press the edelweiss VENEER into place (Tip: reduce operator light).

40



Pull Mylar Strips facially to achieve smooth margins.

41



Cure through Mylar Strips for 3 sec. (VALO UPI). With other Light cure for 6 sec.

42



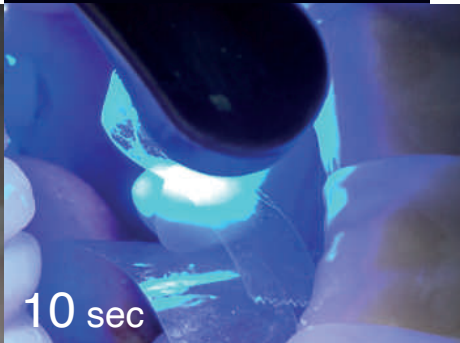
Bend Mylar Strip over interdental area.

46



Blow air using half pressure to thin and remove solvents. Surface will appear shiny.

47



With VALO (UPI) cure for 10 sec. at standard power. With other light cure for 20 sec.

48



Position and press the edelweiss VENEER into place (Tip: Reduce operator light).

Step by Step

49



After positioning light cure with VALO (UPI) palatal and facial side of edelweiss VENEER for 20 sec. each.

50



Finish cervical and proximal margins using fine finishing diamonds.

51



Removal of retraction cords.

55



Visual observation.

56



Polish VENEER margins using Jiffy silicone rubber polishers.

57



For high shine polish VENEER margins with Jiffy polishers (UPI).

BEFORE



AFTER



DIRECT SYSTEM VENEER OCCLUSIONVD

52



Finishing of incisal edges.

53



Finish interproximal areas using finishing Soflex Discs.

54



Reocclusion.

58



Visual observation.

BEFORE



AFTER



YESTERDAY
TODAY



TENSED SMILE BEFORE

DIRECT SYSTEM
VENEER
OCCLUSIONVD



RELAXED SMILE AFTER

Full Mouth Rehabilitation



DIRECT SYSTEM
VENEER
OCCLUSIONVD



YESTERDAY TODAY



DIRECT SYSTEM
VENEER
OCCLUSIONVD



Metal Ceramic Crown Repair

AFTER ENDODONTIC TREATMENT

1



Preoperative situation.

2



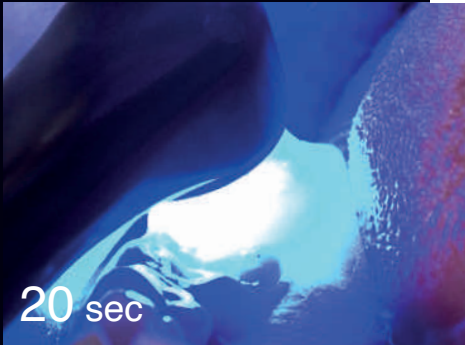
Prepared and roughened crown.

3



Trial fit of OCCLUSIONVD on prepared crown.

7



Light Cure for 20 sec with VALO (UPI) at standard power. With other Light cure for 40 sec.

8



Cover metal area with edelweiss Opaque White Effect Shade.

9



Dispense edelweiss N.-H. Composite onto inner surface of the OCCLUSIONVD.

13



Floss interdental area.

14



Light cure with VALO (UPI) for 20 sec. on each side of crown. With other Light cure for 40 sec.

15



Visual observation.

19



Proof of functional movements.

20



Side view.

21



Occlusal view.

DIRECT SYSTEM

OCCLUSIONVD

4



Trial fit of OCCLUSIONVD on prepared crown.

5



Isolation with ultradent Opal Dam and etching with ultradent ceramic etch.

6



Placing a puddle coat of Peak Univ. Bond (UPI) on crown & inserting dental floss for separation.

10



Adapt edelweiss N.-H. Composite into OCCLUSIONVD.

11



Position and press OCCLUSIONVD in place.

12



Adapt edelweiss N.-H. Composite & remove excess.

16



Reocclude.

17



Visual observation after reocclusion.

18



Finish cervical and interproximal margins using Soflex Discs.

Toolboxes



ADVANCED DIRECT SYSTEM VENEER & OCCLUSIONVD TOOLBOX REF 13700

36 edelweiss VENEERS

- 1 VENEER SET S up (1 x 14, 13, 12, 11, 21, 22, 23, 24 S)
- 1 VENEER SET M up (1 x 14, 13, 12, 11, 21, 22, 23, 24 M)
- 1 VENEER SET L up (1 x 14, 13, 12, 11, 21, 22, 23, 24 L)
- 1 VENEER SET S low (1 x 43, 42, 41, 31, 32, 33 S)
- 1 VENEER SET M low (1 x 43, 42, 41, 31, 32, 33 M)

48 edelweiss OCCLUSIONVD

- 2 OCCLUSIONVD SET S up (1 x 17, 16, 15, 14 S) (1 x 24, 25, 26, 27 S)
- 2 OCCLUSIONVD SET M up (1 x 17, 16, 15, 14 M) (1 x 24, 25, 26, 27 M)
- 2 OCCLUSIONVD SET L up (1 x 17, 16, 15, 14 L) (1 x 24, 25, 26, 27 L)
- 2 OCCLUSIONVD SET S low (1 x 47, 46, 45, 44 S) (1 x 34, 35, 36, 37 S)
- 2 OCCLUSIONVD SET M low (1 x 47, 46, 45, 44 M) (1 x 34, 35, 36, 37 M)
- 2 OCCLUSIONVD SET L low (1 x 47, 46, 45, 44 L) (1 x 34, 35, 36, 37 L)

25 edelweiss NANO-HYBRID COMPOSITE DENTIN SHADE

- 5 Dentin A0 0.3 g Tip
- 5 Dentin A1 0.3 g Tip
- 5 Dentin A2 0.3 g Tip
- 5 Dentin A3 0.3 g Tip
- 5 Dentin A3.5 0.3 g Tip

5 edelweiss NANO-HYBRID COMPOSITE ENAMEL SHADE

- 5 Enamel 0.3 g Tip

1 edelweiss NANO-HYBRID COMPOSITE FLOW

- 1 Enamel Flowable 1.5 g Syringe

2 edelweiss EFFECT SHADES

- 1 Opaque White 1.5 g Syringe
- 1 Effect Blue 1.5 g Syringe

1 edelweiss BOND

- 1 VENEER Bond 5 ml Bottle

ACCESSORIES

- Dentin & Enamel Shade Guide
- VENEER & OCCLUSIONVD Sizing Guide up & low
- FLOW Application Tips (10x)
- Step by Step Booklet
- Instructions for use



Removable cover for more flexibility



STARTER DIRECT SYSTEM VENEER TOOLBOX
REF 13710

20 edelweiss VENEERS

- 1 VENEER SET S up
(1 x 13, 12, 11, 21, 22, 23 S)
- 1 VENEER SET M up
(1 x 14, 13, 12, 11, 21, 22, 23, 24 M)
- 1 VENEER SET L up
(1 x 13, 12, 11, 21, 22, 23 L)

25 edelweiss NANO-HYBRID COMPOSITE DENTIN SHADE

- 5 Dentin A0 0.3 g Tip
- 5 Dentin A1 0.3 g Tip
- 5 Dentin A2 0.3 g Tip
- 5 Dentin A3 0.3 g Tip
- 5 Dentin A3.5 0.3 g Tip

5 edelweiss NANO-HYBRID COMPOSITE ENAMEL SHADE

- 5 Enamel 0.3 g Tip

1 edelweiss NANO-HYBRID COMPOSITE FLOW

- 1 Enamel Flowable 1.5 g Syringe

2 edelweiss EFFECT SHADES

- 1 Opaque White 1.5 g Syringe
- 1 Effect Blue 1.5 g Syringe

1 edelweiss BOND

- 1 VENEER Bond 5 ml Bottle

ACCESSORIES

- Dentin & Enamel Shade Guide
- VENEER Sizing Guide up & low
- FLOW Application Tips (10x)
- Step by Step Booklet
- Instructions for use



STARTER DIRECT SYSTEM OCCLUSIONVD TOOLBOX
REF 13720

32 edelweiss OCCLUSIONVD

- 2 OCCLUSIONVD SET S up
(1 x 17, 16, 15, 14 S) (24, 25, 26, 27 S)
- 2 OCCLUSIONVD SET M up
(1 x 17, 16, 15, 14 M) (1 x 24, 25, 26, 27 M)
- 2 OCCLUSIONVD SET S low
(1 x 47, 46, 45, 44 S) (1 x 34, 35, 36, 37 S)
- 2 OCCLUSIONVD SET M low
(1 x 47, 46, 45, 44 M) (1 x 34, 35, 36, 37 M)

25 edelweiss NANO-HYBRID COMPOSITE DENTIN SHADE

- 5 Dentin A0 0.3 g Tip
- 5 Dentin A1 0.3 g Tip
- 5 Dentin A2 0.3 g Tip
- 5 Dentin A3 0.3 g Tip
- 5 Dentin A3.5 0.3 g Tip

5 edelweiss NANO-HYBRID COMPOSITE ENAMEL SHADE

- 5 Enamel 0.3 g Tip

1 edelweiss NANO-HYBRID COMPOSITE FLOW

- 1 Enamel Flowable 1.5 g Syringe

1 edelweiss BOND

- 1 VENEER Bond 5 ml Bottle

ACCESSORIES

- Dentin & Enamel Shade Guide
- OCCLUSIONVD Sizing Guide up & low
- FLOW Application Tips (10x)
- Step by Step Booklet
- Instructions for use

Refills

edelweiss VENEER SET REFILLS

REF 13000	edelweiss VENEER SET 14-24 S up (1 x 14, 13, 12, 11, 21, 22, 23, 24 S)
REF 13010	edelweiss VENEER SET 14-24 M up (1 x 14, 13, 12, 11, 21, 22, 23, 24 M)
REF 13020	edelweiss VENEER SET 14-24 L up (1 x 14, 13, 12, 11, 21, 22, 23, 24 L)
REF 13030	edelweiss VENEER SET 44-34 S low (1 x 44, 43, 42, 41, 31, 32, 33, 34 S)
REF 13040	edelweiss VENEER SET 44-34 M low (1 x 44, 43, 42, 41, 31, 32, 33, 34 M)
REF 14121	edelweiss VENEER SET XS up (1 x 13, 12, 11, 21, 22, 23 XS)
REF 10100	edelweiss VENEER SET S up (1 x 13, 12, 11, 21, 22, 23 S)
REF 10110	edelweiss VENEER SET M up (1 x 13, 12, 11, 21, 22, 23 M)
REF 10120	edelweiss VENEER SET L up (1 x 13, 12, 11, 21, 22, 23 L)
REF 10130	edelweiss VENEER SET S low (1 x 43, 42, 41, 31, 32, 33 S)
REF 10140	edelweiss VENEER SET M low (1 x 43, 42, 41, 31, 32, 33 M)

edelweiss VENEER SINGLE REFILLS

REF 14122	edelweiss VENEER 11/21 XS (1 x 11, 21 XS)
REF 10180	edelweiss VENEER 11/21 S (1 x 11, 21 S)
REF 10181	edelweiss VENEER 11/21 M (1 x 11, 21 M)
REF 10182	edelweiss VENEER 11/21 L (1 x 11, 21 L)
REF 14123	edelweiss VENEER 12/22 XS (1 x 12, 22 XS)
REF 10183	edelweiss VENEER 12/22 S (1 x 12, 22 S)
REF 10184	edelweiss VENEER 12/22 M (1 x 12, 22 M)
REF 10185	edelweiss VENEER 12/22 L (1 x 12, 22 L)
REF 14124	edelweiss VENEER 11 XS
REF 10150	edelweiss VENEER 11 S
REF 10151	edelweiss VENEER 11 M
REF 10152	edelweiss VENEER 11 L
REF 14125	edelweiss VENEER 12 XS
REF 10153	edelweiss VENEER 12 S
REF 10154	edelweiss VENEER 12 M
REF 10155	edelweiss VENEER 12 L
REF 14126	edelweiss VENEER 13 XS
REF 10156	edelweiss VENEER 13 S
REF 10157	edelweiss VENEER 13 M
REF 10158	edelweiss VENEER 13 L
REF 13100	edelweiss VENEER 14 S
REF 13101	edelweiss VENEER 14 M
REF 13102	edelweiss VENEER 14 L
REF 13103	edelweiss VENEER 15 S
REF 13104	edelweiss VENEER 15 M
REF 13105	edelweiss VENEER 15 L
REF 14127	edelweiss VENEER 21 XS
REF 10159	edelweiss VENEER 21 S
REF 10160	edelweiss VENEER 21 M

REF 10161	edelweiss VENEER 21 L
REF 14128	edelweiss VENEER 22 XS
REF 10162	edelweiss VENEER 22 S
REF 10163	edelweiss VENEER 22 M
REF 10164	edelweiss VENEER 22 L
REF 14129	edelweiss VENEER 23 XS
REF 10165	edelweiss VENEER 23 S
REF 10166	edelweiss VENEER 23 M
REF 10167	edelweiss VENEER 23 L
REF 13106	edelweiss VENEER 24 S
REF 13107	edelweiss VENEER 24 M
REF 13108	edelweiss VENEER 24 L
REF 13109	edelweiss VENEER 25 S
REF 13110	edelweiss VENEER 25 M
REF 13111	edelweiss VENEER 25 L
REF 10168	edelweiss VENEER 31 S
REF 10169	edelweiss VENEER 31 M
REF 10170	edelweiss VENEER 32 S
REF 10171	edelweiss VENEER 32 M
REF 10172	edelweiss VENEER 33 S
REF 10173	edelweiss VENEER 33 M
REF 13112	edelweiss VENEER 34 S
REF 13113	edelweiss VENEER 34 M
REF 13114	edelweiss VENEER 35 S
REF 13115	edelweiss VENEER 35 M
REF 10174	edelweiss VENEER 41 S
REF 10175	edelweiss VENEER 41 M
REF 10176	edelweiss VENEER 42 S
REF 10177	edelweiss VENEER 42 M
REF 10178	edelweiss VENEER 43 S
REF 10179	edelweiss VENEER 43 M
REF 13116	edelweiss VENEER 44 S
REF 13117	edelweiss VENEER 44 M
REF 13118	edelweiss VENEER 45 S
REF 13119	edelweiss VENEER 45 M

edelweiss OCCLUSIONVD SET REFILLS

REF 13170	OCCLUSIONVD SET 17-27 S up (1 x 17, 16, 15, 14, 24, 25, 26, 27 S)
REF 13175	OCCLUSIONVD SET 17-27 M up (1 x 17, 16, 15, 14, 24, 25, 26, 27 M)
REF 13180	OCCLUSIONVD SET 17-27 L up (1 x 17, 16, 15, 14, 24, 25, 26, 27 L)
REF 13185	OCCLUSIONVD SET 47-37 S low (1 x 47, 46, 45, 44, 34, 35, 36, 37 S)
REF 13190	OCCLUSIONVD SET 47-37 M low (1 x 47, 46, 45, 44, 34, 35, 36, 37 M)
REF 13195	OCCLUSIONVD SET 47-37 L low (1 x 47, 46, 45, 44, 34, 35, 36, 37 L)
REF 13150	OCCLUSIONVD SET 17-14 S up (1 x 17, 16, 15, 14 S)
REF 13151	OCCLUSIONVD SET 17-14 M up (1 x 17, 16, 15, 14 M)

REF 13152	OCCLUSIONVD SET 17-14 L up (1 x 17, 16, 15, 14 L)
REF 13153	OCCLUSIONVD SET 24-27 S up (1 x 24, 25, 26, 27 S)
REF 13154	OCCLUSIONVD SET 24-27 M up (1 x 24, 25, 26, 27 M)
REF 13155	OCCLUSIONVD SET 24-27 L up (1 x 24, 25, 26, 27 L)
REF 13156	OCCLUSIONVD SET 34-37 S low (1 x 34, 35, 36, 37 S)
REF 13157	OCCLUSIONVD SET 34-37 M low (1 x 34, 35, 36, 37 M)
REF 13158	OCCLUSIONVD SET 34-37 L low (1 x 34, 35, 36, 37 L)
REF 13159	OCCLUSIONVD SET 47-44 S low (1 x 47, 46, 45, 44 S)
REF 13160	OCCLUSIONVD SET 47-44 M low (1 x 47, 46, 45, 44 M)
REF 13161	OCCLUSIONVD SET 47-44 L low (1 x 47, 46, 45, 44 L)

edelweiss OCCLUSIONVD SINGLE REFILLS

REF 13200	OCCLUSIONVD	14 S
REF 13201	OCCLUSIONVD	14 M
REF 13202	OCCLUSIONVD	14 L
REF 13203	OCCLUSIONVD	15 S
REF 13204	OCCLUSIONVD	15 M
REF 13205	OCCLUSIONVD	15 L
REF 13206	OCCLUSIONVD	16 S
REF 13207	OCCLUSIONVD	16 M
REF 13208	OCCLUSIONVD	16 L
REF 13209	OCCLUSIONVD	17 S
REF 13210	OCCLUSIONVD	17 M
REF 13211	OCCLUSIONVD	17 L
REF 13212	OCCLUSIONVD	24 S
REF 13213	OCCLUSIONVD	24 M
REF 13214	OCCLUSIONVD	24 L
REF 13215	OCCLUSIONVD	25 S
REF 13216	OCCLUSIONVD	25 M
REF 13217	OCCLUSIONVD	25 L
REF 13218	OCCLUSIONVD	26 S
REF 13219	OCCLUSIONVD	26 M
REF 13220	OCCLUSIONVD	26 L
REF 13221	OCCLUSIONVD	27 S
REF 13222	OCCLUSIONVD	27 M
REF 13223	OCCLUSIONVD	27 L
REF 13224	OCCLUSIONVD	34 S
REF 13225	OCCLUSIONVD	34 M
REF 13226	OCCLUSIONVD	34 L
REF 13227	OCCLUSIONVD	35 S
REF 13228	OCCLUSIONVD	35 M
REF 13229	OCCLUSIONVD	35 L
REF 13230	OCCLUSIONVD	36 S
REF 13231	OCCLUSIONVD	36 M

REF 13232	OCCLUSIONVD	36 L
REF 13233	OCCLUSIONVD	37 S
REF 13234	OCCLUSIONVD	37 M
REF 13235	OCCLUSIONVD	37 L
REF 13236	OCCLUSIONVD	44 S
REF 13237	OCCLUSIONVD	44 M
REF 13238	OCCLUSIONVD	44 L
REF 13239	OCCLUSIONVD	45 S
REF 13240	OCCLUSIONVD	45 M
REF 13241	OCCLUSIONVD	45 L
REF 13242	OCCLUSIONVD	46 S
REF 13243	OCCLUSIONVD	46 M
REF 13244	OCCLUSIONVD	46 L
REF 13245	OCCLUSIONVD	47 S
REF 13246	OCCLUSIONVD	47 M
REF 13247	OCCLUSIONVD	47 L

NANO-HYBRID COMPOSITE DENTIN SHADES

REF 10201	Dentin A0	15 x 0.3 g Tip
REF 10211	Dentin A1	15 x 0.3 g Tip
REF 10221	Dentin A2	15 x 0.3 g Tip
REF 10231	Dentin A3	15 x 0.3 g Tip
REF 10241	Dentin A3.5	15 x 0.3 g Tip

NANO-HYBRID COMPOSITE ENAMEL SHADE

REF 10301	Enamel	10 x 0.3 g Tip
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EFFECT SHADES

REF 13760	Effect Blue	1.5 g Syringe
REF 13750	Opaque White	1.5 g Syringe
REF 14702	Effect Ice	1.5 g Syringe

NANO-HYBRID COMPOSITE FLOW

REF 13770	Enamel Flowable	1.5 g Syringe
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BONDING

REF 10521	VENEER Bond	5 ml Bottle
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ACCESSORIES

REF 14600	Dentin & Enamel Shade Guide
REF 13508	VENEER Sizing Guide up & low
REF 13509	OCCLUSIONVD Sizing Guide up & low
REF 10621	FLOW Application Tips (10x)
REF 814027	Step by Step Booklet

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