

# visio.lign

The Aesthetic and Functional System

3

# Presentation of the system

layering



crea.lign

veneering



novo.lign

setting up



neo.lign

milling



visio.CAM

staining



visio.paint

bonding



bond.lign

perform with  
**visio.lign**



**visio.lign**

## Chapter overview

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silicones for matrices

Preparatory work  
prepare natural beauty



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crea.lign  
create natural beauty



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novo.lign  
veneer natural beauty



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neo.lign  
choose natural beauty



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visio.CAM  
design natural beauty



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1



## Preparatory work

prepare natural beauty

---

PROPERTIES SUCH AS PRECISE  
APPLICATION, DETAILED  
IMPRESSIONS AND LIGHT  
TRANSMISSION SPEAK IN  
FAVOUR OF THE FINE-GRAINED  
VISIO.SIL MATRIX SILICONES.

SILICONES FOR MATRICES

# Preparatory work

## silicones for matrices

### visio.sil fix



High-precision silicone for matrices  
Hardness of approx. 55 Shore A

visio.sil fix is an addition-curing, high-precision silicone for matrices. With visio.sil fix, the approximal spaces and gingival contouring of the wax-up are perfectly moulded to the



Yellow

REF 54001300

50 ml

finest detail. Once the restoration has been manufactured, it just has to be polished to a high gloss, saving effort and time.



### visio.sil

Transparent silicone for matrices  
Hardness of approx. 60 Shore A

visio.sil is a transparent, addition-curing silicone for matrices, used for the fabrication of translucent matrices and processing of light-curing materials.



Transparent

REF 54001200

50 ml



#### Benefits of visio.sil and visio.sil ILT

#### transparent silicones for matrices

visio.sil and visio.sil ILT silicones for matrices are translucent, thus allowing the veneers you wish to bond to be cured without removing the matrix.



## visio.sil ILT

Transparent silicone for matrices for Inverse Layering Technique

Hardness of approx. 75 Shore A

visio.sil ILT has been specially developed for the Inverse Layering Technique. This transparent, addition-curing silicone for matrices is characterised by its extreme hardness of approx. 75 Shore A. It is flowable so it fills the proximal space and

ensures perfect reproduction of the surface texture; however, it is also firm and stable and can be applied very precisely.

visio.sil ILT can be applied in the patient's mouth (class 1 medical device) in the hardened state.



Transparent

REF **54001400**  
50 ml



### Benefit of transparent

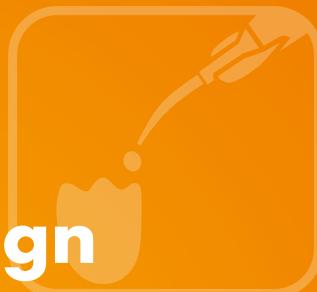
#### visio.sil ILT silicone for matrices

visio.sil ILT silicone for matrices has been approved for oral application and is perfectly suited for positioning and luting indirect veneers.

2



**crea.lign**  
create natural beauty



THE LIGHT-CURING CERAMIC  
COMPOSITE IMPRESSES WITH  
NATURAL OPALESCENCE  
AND THE BEST LIGHT  
TRANSMISSION -  
FOR NATURAL BEAUTY

VENEERING COMPOSITE  
STAINS  
MODELLING LIQUID

# crea.lign | veneering composite

create natural beauty - with the light-cured ceramic composite for natural beauty

crea.lign is a light-curing ceramic composite for the permanent veneering of metal, ceramic and polymer frameworks. The exceptional material properties adapt elasticity and hardness of crea.lign to the various substructure materials.

crea.lign contains only nano particles and no ground glass filler. It consists of 50% opalescent ceramic filler and a high-strength oligomer matrix.

The ceramic fillers used and the avoidance of hard glass fillers increase abrasion resistance and prevent plaque build-up, discoloration and embrittlement of the material.

Agglomeration effects (clumping) in the material are avoided and a homogeneous and dense surface is achieved with the particle size of approx. 40 µm and optimal polishing properties. Thanks to the dense surface, water absorption is low, which in turn ensures mechanical stability.



## crea.lign | Coding

### crea.lign gel:

[REF] CLFN\_\_\_\_\_

- dentine, e.g. A3: [REF] CLFND**A30**
- transpa clear, e.g. T1: [REF] CLFN**00T1**
- Incisal, e.g. I1: [REF] CLFN**00I1**
- Incisal Enamel, e.g. E1: [REF] CLFN**00E1**
- GUM, e.g. G1: [REF] CLFN**00G1**
- Modifier, e.g. M1: [REF] CLFN**00M1**
- Stains, e.g. S1: [REF] CLFN**00S1**

### crea.lign paste:

[REF] CLPND\_\_\_\_

- dentine, e.g. A3: [REF] CLPND**A30**
- transpa opal, e.g. T1: [REF] CLPN**00 T1**
- Incisal, e.g. E1: [REF] CLPN**00 E1**
- GUM, e.g. G50: [REF] CLPN**0G50**
- 
-

## Natural beauty

- Natural opalescence
- Optimal depth effect thanks to coordinated refractive indices
- Translucency (greater degree of freedom than in ceramics)



crea.lign is available in both dosage forms gel and paste in classic A-D colours and other GUM and incisal materials and can be seamlessly combined with each other.

## crea.lign | Benefits

**Natural** - Balance between opalescence, fluorescence and translucency creates a natural, vibrant colour effect

**Physiology** – crea.lign is significantly more impact-resistant than ceramics thanks to its excellent mechanical properties. This increases the resilience of the veneer.

**Safety** – crea.lign's permanent chemical adhesion to all framework materials as well as plaque and discoloration resistance ensure the long-term success of the veneer.

**crea.lign gel** is the "more fluid" variant of the two dosage forms of crea.lign veneering composite. The specially developed single-hand grip and application cannula make precise dosing with just one hand easier for the user.

**crea.lign paste** is the pasty variant of crea.lign's two dosage forms. The consistency of crea.lign pastes is soft and smooth. Contouring is very easy. No undesired adhesion. The composite shaper kit makes modelling even easier. The silicone modelling instruments have been specially developed for the crea.lign paste and serve as an attachment and modelling aid. This makes it easy to achieve the finest transitions in modelling.

- All colours of the crea.lign gel or crea.lign paste can be found on page 16 or page 17
- crea.lign opaque, see page 57
- shade combination tables, see page 17

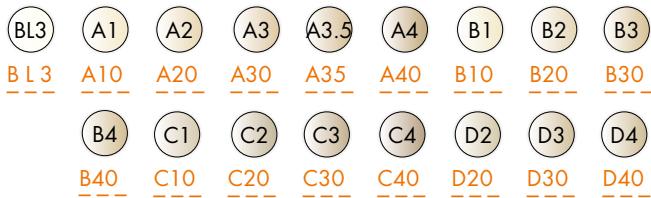


**crea.lign** gel



**crea.lign** paste

# crea.lign | gel



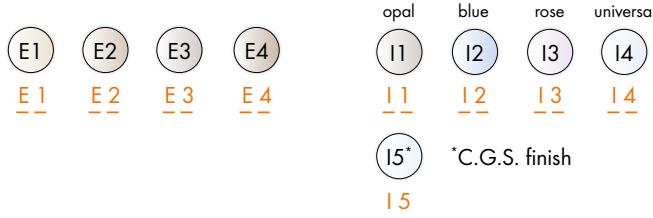
REF CLFND \_\_\_



5 g

**gel Dentine**

is available in the classic A-D dentine shades  
and BL3 bleached shade.



REF CLFN00 \_\_\_



5 g

**gel incisal**

Alongside the enamel materials (E1/E2/E3/E4), crea.lign incisal (opal/blue/pink/universal/C.G.S.finish) can be used for specific accentuation of the incisal area  
(see also colour combination table of enamel and dentine materials on page 17)



REF CLFN00 \_\_\_



5 g

**gel Transpa clear**

crea.lign gel Transpa clear is the crystal-clear version of the crea.lign gel. Due to its light transmission, crea.lign Transpa clear, in conjunction with the visio.paint stains, enables highly aesthetic translucent characterisation.



REF CLFN00 \_\_\_



5 g

**gel GUM**

crea.lign gel GUM (light/pink/pink/red) are customisation materials for the gum area.



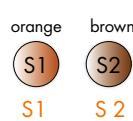
REF CLFN00 \_\_\_



5 g

**gel Modifier**

(beige/olive/caramel/purple/umbra) are intensively coloured materials, for example, to accentuate the neck region of a tooth or replicate decalcification stains.



REF CLFN00 \_\_\_

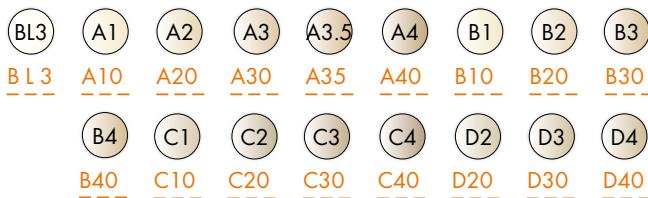


1.4 g

**Stains**

crea.lign stains (brown/orange) are light-curing intensive materials and are used for colour customisation of composite veneers. crea.lign stains must not be coated; they are used to emphasise, for example, proximal spaces, incisal edges and fissures.

# crea.lign | paste



REF CLPND \_\_\_\_



paste dentine

is available in the classic A-D dentine shades  
and BL3 bleached shade.



REF CLPN00 \_\_\_\_



paste Incisal

like crea.lign gel, is available in 4 shades (E1/E2/E3/E4) and is used to design the cutting area. The incisal materials are perfectly matched to the dentine materials (see table on this page below).

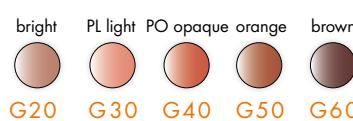


REF CLPN00 \_\_\_\_



paste Transpa opal

is the transparent variant of crea.lign paste. Thanks to optimal translucency and opalescence, it gives a natural, vibrant colour effect.



REF CLPN0 \_\_\_\_



paste GUM

crea.lign paste GUM (light/opaque/bright/orange/brown) is used to coat the gingival elements for red-white customisation.

## crea.lign | shade combination tables

| crea.lign<br>gel/paste* | classic A-D dentine shades |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |     |
|-------------------------|----------------------------|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
|                         | A1                         | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4 | BL3 |
| E1                      | ■                          |    |    |      |    | ■  |    |    |    | ■  |    |    |    | ■  |    |    |     |
| E2                      |                            | ■  | ■  |      |    |    | ■  |    |    |    |    |    |    |    |    |    |     |
| E3                      |                            |    |    | ■    |    |    |    | ■  | ■  | ■  | ■  | ■  |    | ■  | ■  |    |     |
| E4                      |                            |    |    |      | ■  |    |    |    |    |    |    |    | ■  |    |    |    |     |

\* All crea.lign gel materials can be seamlessly combined with all crea.lign paste materials.

# visio.paint | stains assortment



**REF 540012**

The colour completes the **REF:**



**5.1**



**5.2**



**5.3**



**5.4**



**5.5**



**5.6**

The liquid, light-curing visio.paint stains (white/blue/black/ivory/ochre/ebon) are layered using the cut-back technique or directly applied and coated.

Surface staining is only recommended for temporary restorations. The shade effect is retained after coating with composite. All standard PMMA resins and composites can be intensified with the visio.paint stains.

**REF 54001250**

6 colours of 3 ml each

# crea.lign | modelling liquid



crea.lign modelling liquid can also be used to increase the fluidity of crea.lign paste and gel. By mixing in the crea.lign liquid, the modulus of elasticity of the material is reduced which increases the elasticity/

elongation of the crea.lign material. It also allows a uniform transition from denture resin to crea.lign materials, which are resistant to discolouration and plaque.

**⚠ In a mixing ratio with crea.lign, the maximum proportion of modelling liquid is 30%.**

**REF CLFMOD10**

10 ml



**crea.lign** veneering system  
paste + gel, complete set



# crea.lign | sets

## **[REF CLIGNSETFK]** crea.lign veneering system paste + gel, complete set

aluminium case,  
width 42.5 cm x height 43.5 cm x depth 20.5 cm



modelling liquid  
10 ml  
1 x

visio.link  
10 ml  
1 x

Disposable trays  
1 x 12

Mixing pad  
2 x



MKZ primer  
5 ml  
1 x

MKZ EM activator  
4 ml  
1 x

K primer  
4 ml  
1 x

Spatula  
1 x



Assortment contains all available  
shades of the following components:

- crea.lign opaque
- crea.lign paste
  - dentine · Transpa opal
  - incisal · GUM
- crea.lign gel
  - incisal · Transpa clear
  - dentine · Modifier
  - GUM
- crea.lign Stain
- visio.paint

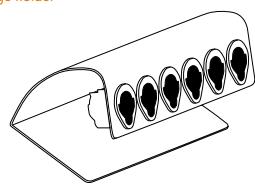
→ see page 16/17

Primer and activator

→ see page 54/55

crea.lign syringe holder  
stainless steel

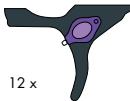
2 x



Disposable brush  
20 x

Brush holder  
1 x

Single-hand grip crea.lign gel  
with UV LED



12 x

Pin cover  
2 x 10

Application cannula  
2 x 10

crea.lign gel incisal, 5 g  
9 x

crea.lign paste incisal, 3 g  
4 x

Rotary piston  
27 x

crea.lign paste Transpa opal, 3 g  
1 x

crea.lign paste dentine, 3 g  
17 x

crea.lign paste GUM, 3 g  
5 x

visio.paint set

3 ml

1 x 6



crea.lign Stain, 1.4 g  
2 x

crea.lign opaque, 4 g  
11 x

crea.lign gel Transpa clear, 5 g  
1 x

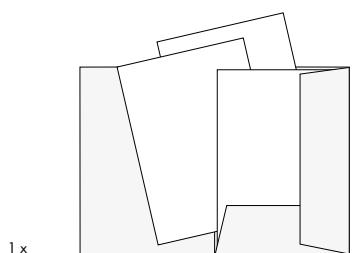
crea.lign gel dentine, 5 g  
17 x

crea.lign gel incisal, 5 g  
9 x

crea.lign shade guide dentine shade  
(empty)  
1 x

visio.lign information folder

with various printed materials, such as crea.lign freestyle manual  
and table display with illustrated layering instructions.



crea.lign Composite shaper kit

1 x angle chisel

1 x taper point

1 x flat chisel

1 x cup chisel

1 x cup round

crea.lign shade guide Incisal, Stains & GUM  
(empty)  
1 x

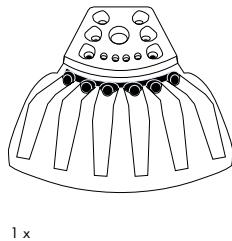
crea.lign shade guide Incisal, Stains & GUM  
(empty)  
1 x

Images not to scale. Subject to corrections and changes.

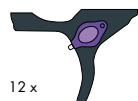
**[REF CLIGNSET12****crea.lign Assortment with syringe holder**

crea.lign syringe holder

plastic

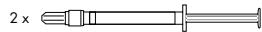


1 x

Single-hand grip crea.lign gel  
with UV LED

12 x

crea.lign Stain, 1.4 g



2 x

Pin cover

2 x 10



Application cannula

2 x 10



crea.lign gel, 5 g



12 x

modelling liquid, 10 ml

1 x



crea.lign stains and gel

shades of your choice

→ see page 16

**[REF CLPNSET9****crea.lign paste starter kit, 9 pastes can be selected**

crea.lign paste, 3 g



Rotary piston



crea.lign Composite shaper kit



1 x angle chisel



1 x taper point



1 x cup chisel



1 x cup round



1 x flat chisel

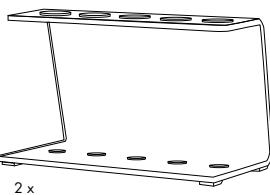
crea.lign paste

shades of your choice

→ see page 17

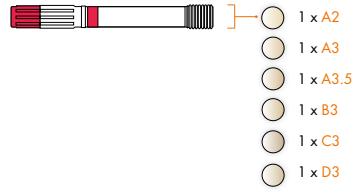
**[REF CLPNSET10****crea.lign paste starter kit, 10 x crea.lign paste**

syringe holder for crea.lign paste



2 x

crea.lign paste dentine, 3 g



Mixing pad



1 x

Rotary piston

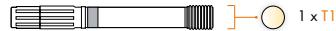


10 x

crea.lign paste Enamel, 3 g



crea.lign paste Transpa opal, 3 g



1 x T1

**[REF CLPNSETFK] crea.lign paste complete kit**

crea.lign paste dentine, 3 g  
17 x

Rotary piston  
27 x

visio.link  
10 ml  
1 x

crea.lign paste  
shades of your choice  
→ see page 17

crea.lign paste GUM, 3 g  
5 x

modelling liquid  
10 ml  
1 x

crea.lign paste incisal, 3 g  
4 x

crea.lign opaque, 4 g  
10 x

crea.lign opaque Z,  
zirconium liner 4 g  
1 x

crea.lign paste Transpa opal, 3 g  
1 x

crea.lign surface cleaner  
125 ml  
1 x

crea.lign Composite shaper kit

1 x angle chisel  
1 x taper point  
1 x flat chisel

1 x cup chisel  
1 x cup round

**crea.lign freestyle intro kit**

[REF CLFKSETA20]

A2

or

A3

or

A3.5

1 x crea.lign gel dentine, 5 g

1 x crea.lign paste dentine, 3 g

1 x crea.lign gel Incisal, 5 g

1 x crea.lign opaque, 4 g

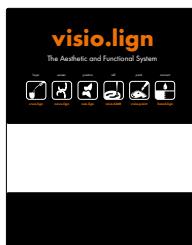
crea.lign gel and crea.lign opaque  
the set supplied corresponds to the  
assortment shade selected, A3 or A3.5)

[REF CLFKSETA30]

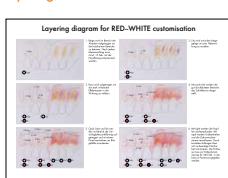
[REF CLFKSETA35]

**[REF] CLIGNSETG****Red-white aesthetics set**

visio.lign folding box



Layering instructions



1 x

Unique brush no. 4



1 x

modelling liquid  
10 ml

1 x

Demo prosthesis



2 x

visio.link  
10 ml

1 x

Pin cover  
1 x 10

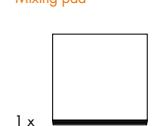
1 x 10

Application cannula



1 x 10

Mixing pad



1 x

Single-hand grip crea.lign gel  
with UV LED

1 x

crea.lign gel incisal, 5 g

1 x I1 opal  
1 x I2 blue

crea.lign gel Transpa clear, 5 g



1 x T1 Transpa clear

crea.lign gel Modifier, 5 g

1 x M1 beige  
1 x M4 purple

crea.lign gel GUM, 5 g

1 x G1 light  
1 x G2 pink  
1 x G3 pink  
1 x G4 red

crea.lign opaque, 4 g

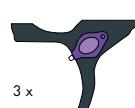


1 x GUM

crea.lign paste GUM, 3 g



5 x

1 x bright  
1 x PL light  
1 x PO opaque  
1 x orange  
1 x brown**[REF] CLIGNSETN****crea.lign Start set N**Single-hand grip crea.lign gel  
with UV LED

3 x

crea.lign gel, 5 g



10 x

crea.lign gel

shades of your choice

→ see page 16

**[REF] 54001250****visio.paint Stains assortment**

Disposable brush



6 x

Brush holder



1 x

Mixing pad



small

1 x

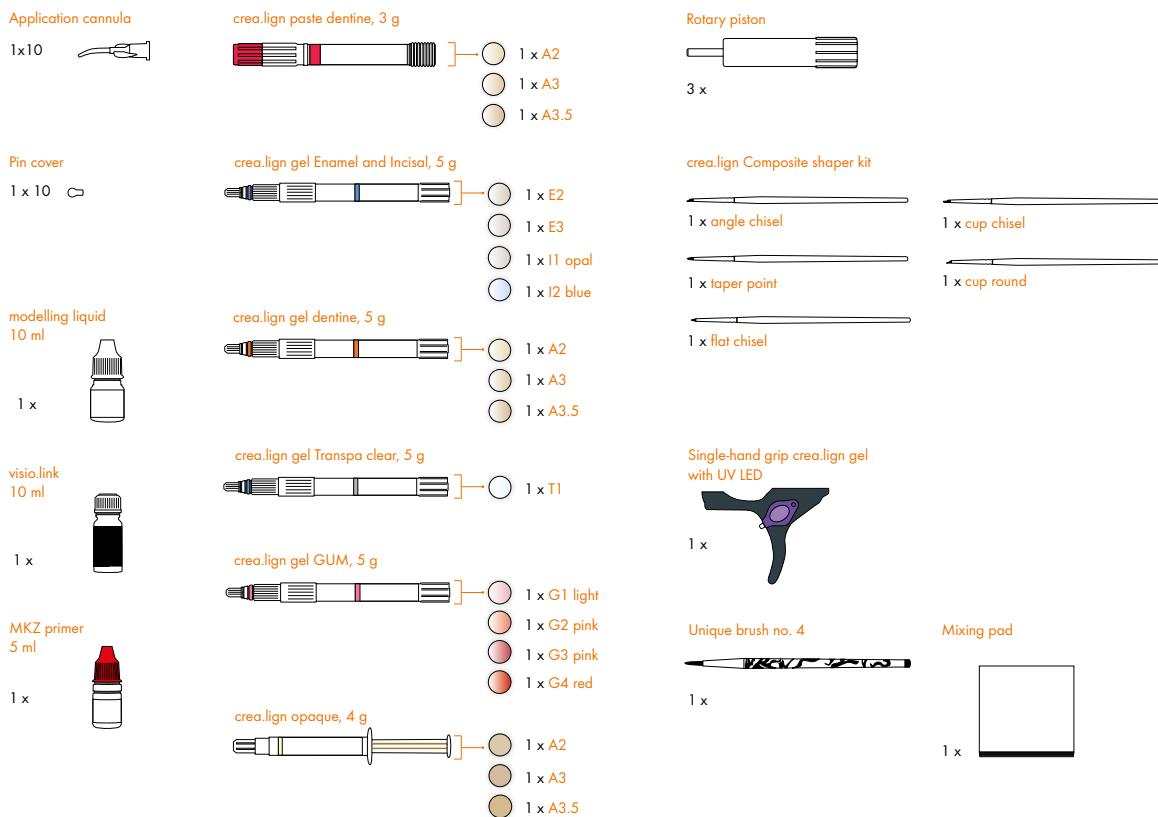
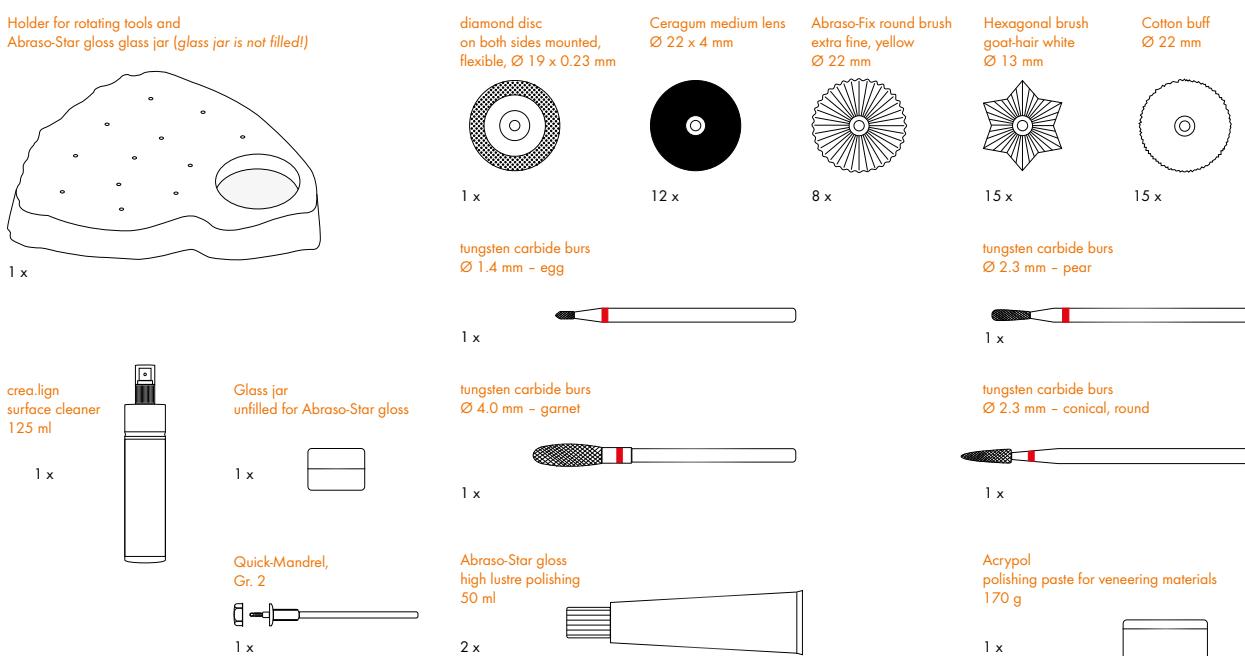
visio.paint

3 ml



visio.paint

→ see page 18

**[REF CLIGNSET3A] crea.lign test set colours A2, A3, A3,5**

**[REF VLTOOLKIT] visio.lign tool kit finishing set for composite veneers**


3



## novo.lign

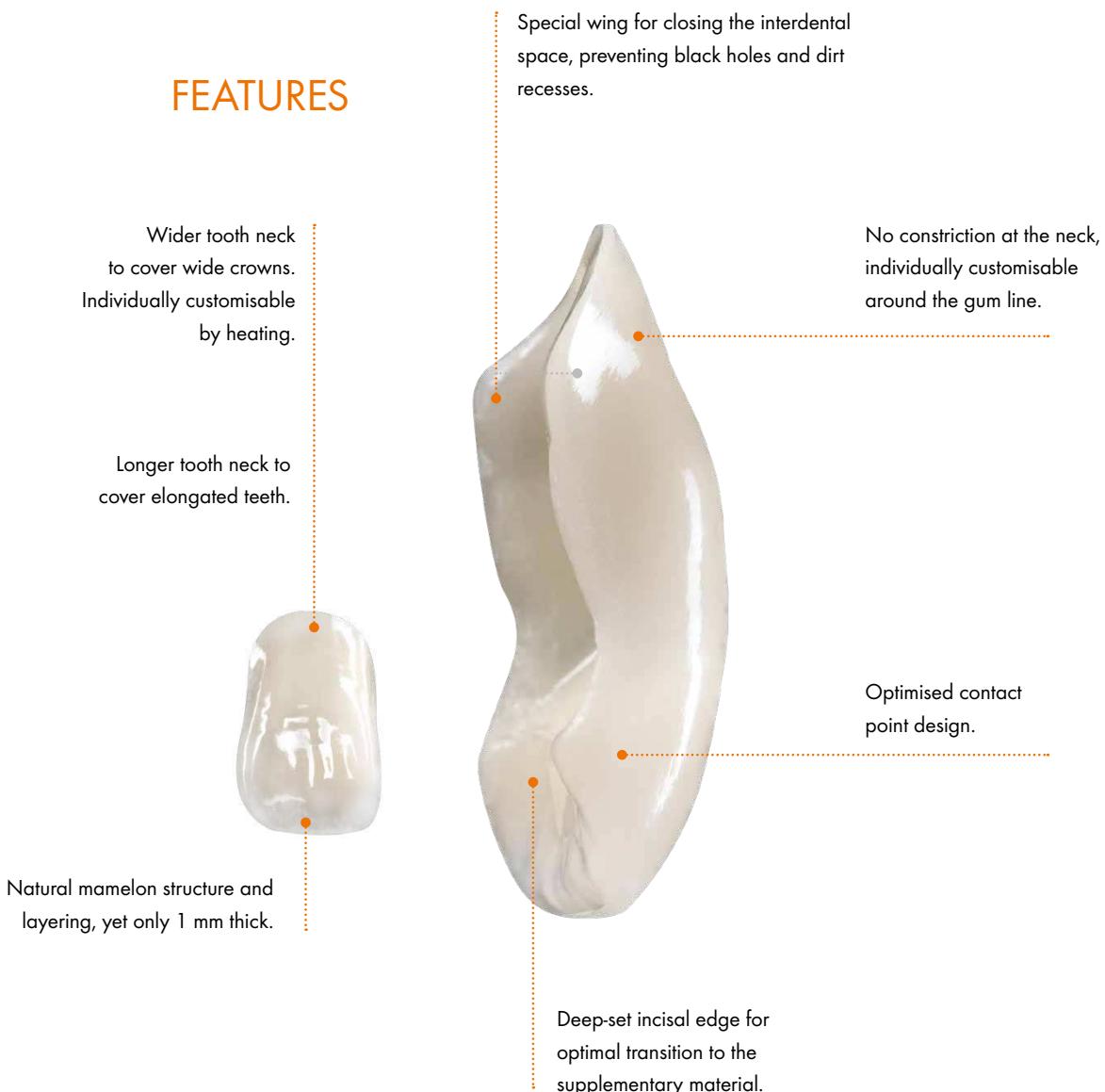
### veneer natural beauty

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NOVO.LIGN VENEERS      VENEERS  
IMPRESS WITH THEIR UNIQUE  
PROPERTIES. WITH THE PRIMERS  
& BONDERS OF THE GROUP,  
THEY CAN BE ATTACHED TO  
ANY FRAMEWORK MATERIAL  
AND SUPPLEMENTED WITH  
CREA.LIGN. BECAUSE THEY  
HAVE THE SAME SHADES  
AND SHAPES, THEY CAN BE  
SEAMLESSLY COMBINED WITH  
NEO.LIGN DENTURE TEETH.

# novo.lign | Veneers

## FEATURES



The novo.lign veneers consist of high impact polymer composite filled with microceramic, and can be used for the permanent veneering of metal, ceramic and polymer frameworks. They are moulded from real rows of teeth and, therefore, give a perfect natural look. The morphological layer structure also ensures the veneer has a natural depth. Thanks to its exceptional mechanical properties, such

as its high flexural strength (140 MPa) and low modulus of elasticity (approx. 3,000 MPa) the physiological veneers have a shock-absorbing effect and are therefore, perfect for implant prosthetics. The homogeneous and sealed surface ensures long-term colour stability and plaque resistance. Because they have the same shades and shapes, they can be seamlessly combined with neo.lign denture teeth.

Novo.lign veneers are available in anterior and posterior shapes.

Posterior shapes allow implementation of any occlusion concept through the multifunctional chewing surface design of G, W and L shapes



- The "extra" wide W designs are more suited to veneering bulky crowns and bridge frameworks than the "slimline" G designs...
- ...the L designs with "lingualised occlusal design" for manufacturing implant-supported full dentures

All novo.lign anterior and posterior denture teeth are available in all classic A-D shades and BL3 bleached shade.

**novo.lign**

## novo.lign | Coding

All tooth cards/slides for the novo.lign veneers are printed with silver lettering.

### novo.lign A



**A** stands for anterior, which includes all anterior tooth designs for both the upper and lower jaws.

Tooth mould, e.g. **D49**

Tooth shade, e.g. **A3**

### novo.lign P

G designs



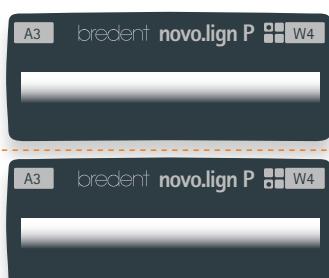
**P** stands for posterior, which includes all posterior tooth designs for both upper and lower jaws.

For novo.lign P variants of veneers, a distinction is made between **G, W and L** designs.

G, W and L designs are available in several sizes. Each size is assigned a numeric code. The size increases with the numeric value. The G designs of the veneers are available in sizes 3 and 4; the W designs in sizes 3, 4 and 5; the L designs in sizes 2 and 3.

→ For sizing charts see page 31

W designs

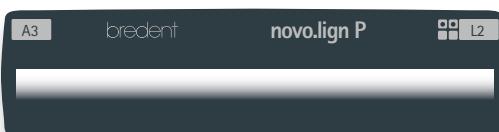


G and W designs are grouped into quadrants, i.e. on a single tooth card/slide, for example, the lower jaw premolars and molars of the 3rd quadrant are all one design and size, e.g. **W4**.

On the tooth cards/slides for G, W and L designs, all four quadrants are shown in the form of four small boxes.

The corresponding quadrant is marked with a dot.

L designs



The L designs for the novo.lign P veneers are available in two sizes, **L2** and **L3**. A tooth card/slide is fitted with either 6 upper jaw (16, 15, 14, 24, 25, 26) or 6 lower jaw posterior teeth (46, 45, 44, 34, 35, 36)

## novo.lign | Colours and forms

### novo.lign A

Anterior / front teeth



#### Buccal wall thickness

**1.0 mm**

- 12 upper moulds
- 3 lower moulds



**Variety with system**

### novo.lign P

Posterior teeth

#### G designs



#### Buccal wall thickness

**1.2 mm**

- Multi-functional occlusal surface design for all occlusion concepts

#### L designs



#### Buccal wall thickness

**1.0 mm**

- Lingualised occlusal design for full dentures

#### W designs



#### Buccal wall thickness

**0.8 mm**

- Multi-functional occlusal design for all occlusion concepts
- Extra-wide tooth design, particularly recommended for veneering crowns and bridges

Available in sizes



small large

Available in sizes



small large

Available in sizes



small large

All novo.lign A and novo.lign P shapes are available in the following colours:



# novo.lign | Range of designs

Upper anterior



C43

[REF] VOC43 \_\_\_ s



A44

[REF] VOA44 \_\_\_ s



F44

[REF] VOF44 \_\_\_ s



I45

[REF] VOI45 \_\_\_ s



H46

[REF] VOH46 \_\_\_ s



S46

[REF] VOS46 \_\_\_ s



I47

[REF] VOI47 \_\_\_ s



D48

[REF] VOD48 \_\_\_ s

Lower anterior



T35

[REF] VUT35 \_\_\_ s



D38

[REF] VUD38 \_\_\_ s

The colour completes the [REF]:



BL3



A1



A2



A3



A3.5



A4



B1



B2



M48

REF VOM48 \_\_\_ S



D49

REF VOD49 \_\_\_ S



B51

REF VOB51 \_\_\_ S



K53

REF VOK43 \_\_\_ S

Upper/lower posterior



L2

REF VOWL2 \_\_\_



L2

REF VUWL2 \_\_\_



L3

REF VOWL3 \_\_\_



L3

REF VUWL3 \_\_\_



D41

REF VUD41 \_\_\_ S

→ For more posterior designs see page 34 and 35



B3



B4



C1



C2



C3



C4



D2



D3



D4

B30

B40

C10

C20

C30

C40

D20

D30

D40

# novo.lign | Range of designs

Upper/lower posterior



W3

REF VO1W3 \_\_\_\_



W3

REF VO2W3 \_\_\_\_



W4

REF VO1W4 \_\_\_\_



W3

REF VU4W3 \_\_\_\_



W3

REF VU3W3 \_\_\_\_



W4

REF VU4W4 \_\_\_\_



G3

REF VO1G3 \_\_\_\_



G3

REF VO2G3 \_\_\_\_



G4

REF VO1G4 \_\_\_\_



G3

REF VU4G3 \_\_\_\_



G3

REF VU3G3 \_\_\_\_



G4

REF VU4G4 \_\_\_\_

The colour completes the REF:



BL3



A1



A2



A3



A3.5



A4



B1



B2



W4

REF VO2W4 \_\_\_\_



W5

REF VO1W5 \_\_\_\_



W5

REF VO2W5 \_\_\_\_



W4

REF VU3W4 \_\_\_\_



W5

REF VU4W5 \_\_\_\_



W5

REF VU3W5 \_\_\_\_



G4

REF VO2G4 \_\_\_\_

→ For more posterior designs see page 33



G4

REF VU3G4 \_\_\_\_

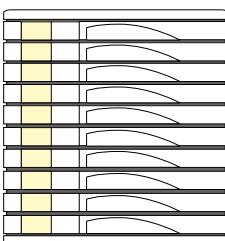
**B 3 0****B 4 0****C 1 0****C 2 0****C 3 0****C 4 0****D 2 0****D 3 0****D 4 0**



# novo.lign | sets

## **REF VLIGNSET2** visio.lign veneering system novo.lign A + P starter kit 2

visio.lign tooth cabinet / box



1 x

Mixing cannula combo.lign, size 2

1 x 10



novo.lign A veneers - Anterior teeth



10 tooth cards/slides

novo.lign P veneers - Posterior teeth



8 tooth cards/slides

combo.lign luting composite, 8 g

1 x

Assortment in one shade of your choice

→ Classic A to D shades and  
BL3 bleached shade

novo.lign A and P tooth cards/slides

Choice of anterior and posterior veneer designs

→ see page 32 to 35

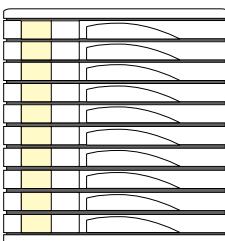
novo.lign P tooth cards/slides

Choice of posterior veneer designs

→ For sizing charts see page 31

## **REF VLIGNSET3** visio.lign veneering system starter kit 3

visio.lign tooth cabinet / box



1 x

crea.lign opaque, 4 g

1 x

Mixing cannula combo.lign, size 2

1 x 10

novo.lign A veneers - Anterior teeth



13 tooth cards/slides

novo.lign P veneers - Posterior teeth



8 tooth cards/slides

Pin cover

1 x 10

Application cannula

1 x 10

combo.lign luting composite, 8 g

1 x

Single-hand grip crea.lign gel with UV LED



visio.link, 10 ml

1 x

crea.lign gel, 5 g

2 x

Assortment in one shade of your choice

→ Classic A to D shades and  
BL3 bleached shade

novo.lign A und P tooth cards/slides

Choice of anterior and posterior veneer designs

→ see page 32 to 35

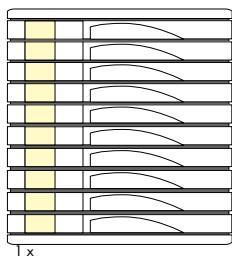
novo.lign P tooth cards/slides

Choice of posterior veneer designs

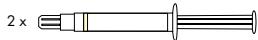
→ For sizing charts see page 31

**REF VLIGNSET4 visio.lign starter kit 4**

visio.lign tooth cabinet / box



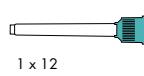
crea.lign opaque, 4 g



Mixing cannula combo.lign, size 2



Mixing cannula green, size 4



MKZ primer, 5 ml



novo.lign A veneers - Anterior teeth



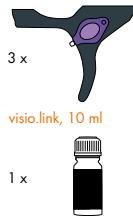
26 tooth cards/slides

novo.lign P veneers - Posterior teeth



24 tooth cards/slides

Single-hand grip crea.lign gel with UV LED

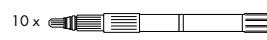


3 x

visio.link, 10 ml

1 x

crea.lign gel, 5 g



Assortment in two shades of your choice

→ Classic A to D shades and BL3 bleached shade

novo.lign A and P tooth cards/slides

Choice of anterior and posterior veneer designs

→ see page 32 to 35

novo.lign P tooth cards/slides

Choice of posterior veneer designs

→ For sizing charts see page 31

crea.lign incisal gel and  
choice of dentine shades

→ see page 16

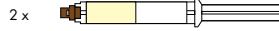
Pin cover



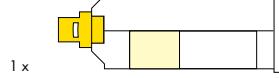
Application cannula



combo.lign luting composite, 8 g



visio.sil silicone for matrices, 50 ml



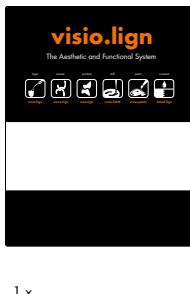
modelling liquid, 10 ml



**[REF] VLIGNPRVN**

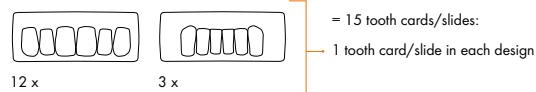
## Living mould chart novo.lign - novo.lign A and novo.lign P

visio.lign folding box



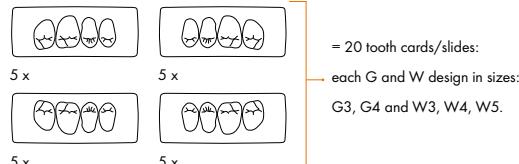
1 x

novo.lign A veneers - Anterior teeth



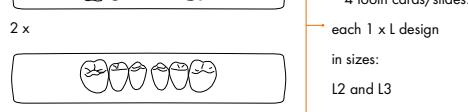
= 15 tooth cards/slides:  
1 tooth card/slide in each design

novo.lign P veneers - Posterior teeth



= 20 tooth cards/slides:  
each G and W design in sizes:  
G3, G4 and W3, W4, W5.

novo.lign A veneers - Posterior teeth



= 4 tooth cards/slides:  
each 1 x L design  
in sizes:  
L2 and L3

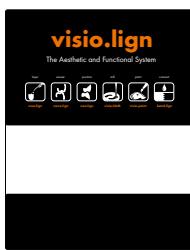
Assortment in one shade of your choice

→ Classic A to D shades and  
BL3 bleached shade

**[REF] VLIGNPRVN1**

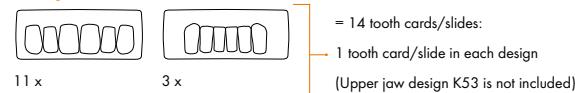
## novo.lign shape kit - reduced quantity of shapes

visio.lign folding box



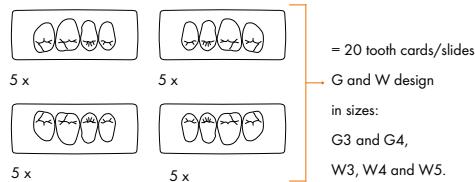
1 x

novo.lign A veneers - Anterior teeth



= 14 tooth cards/slides:  
1 tooth card/slide in each design  
(Upper jaw design K53 is not included)

novo.lign P veneers - Posterior teeth



= 20 tooth cards/slides:  
G and W design  
in sizes:  
G3 and G4,  
W3, W4 and W5.

Assortment in one shade of your choice

→ Classic A to D shades and  
BL3 bleached shade

4



**neo.lign**

choose natural beauty

---

THE NEO.LIGN FULL TEETH  
ARE IDENTICAL IN COLOUR,  
SHAPE AND MATERIAL TO  
THE NOVO.LIGN VENEERS.  
THIS MAKES THEM IDEALLY  
SUITED FOR AESTHETICALLY  
UNIFORM COMBINATION  
TECHNOLOGY. NEO.LIGN'S  
LINGUALISED CHEWING  
SURFACE DESIGN IS OPTIMAL  
FOR TOTALPROSTHETICS.  
THE HIGH MECHANICAL  
STRENGTH OF THE  
NEO.LIGN TEETH MAKES  
THEM PARTICULARLY SUITABLE  
FOR IMPLANT-SUPPORTED  
DENTURES.

# neo.lign | Teeth



Natural mamelon structure with 4 chromatic layers. Additionally incorporated Transpa layer creates a "pearl effect" and a natural effect of depth.



Specially incorporated grooves reproduce the natural surface structure.



Optimised functional guide surfaces: The upper and lower jaw teeth interlock in a true-to-life manner.

Optimum curvature of the tooth. This supports the lip and produces a natural, youthful appearance.

The neo.lign full teeth consist of 5 thin layers of high-impact PMMA composite (polymethyl methacrylate) and 4 chromatic layers. They are suitable for the fabrication of full prosthetic restorations and for the combination technique. Due to their high mechanical strength, neo.lign teeth are perfectly suited for implant-supported dentures. Just like the novo.lign veneers, the neo.lign full teeth are based on natural teeth. This results in a particularly natural appearance. The morphological layer structure provides an additional and natural effect of depth.

The neo.lign full teeth feature the same shade, design and material as the novo.lign veneers. The layer structure of neo.lign and novo.lign is also perfectly coordinated. As a result, neo.lign and novo.lign can be combined without any problems.

A homogeneous and dense surface of the neo.lign full teeth ensures permanent shade stability and plaque resistance.

neo.lign full teeth are available as anterior and posterior teeth.

The posterior teeth enable the implementation of any occlusion concept thanks to the special occlusal designs of the neo.lign G and L designs.



- With the L designs, the visio.lign system offers a linguinalised occlusal surface design especially for the fabrication of full prosthetic restorations.
- With the neo.lign G designs, a multifunctional occlusal surface design is available. Due to its slender shape, the G design is particularly suited for cases with limited space.

All neo.lign anterior and posterior designs are available in the classic A-D shades and in a bleach shade BL3.

## 4 CHROMATIC LAYERS

**neo.lign**

## neo.lign | Coding

All tooth cards/slides for the neo.lign teeth are printed with gold lettering.

### neo.lign A



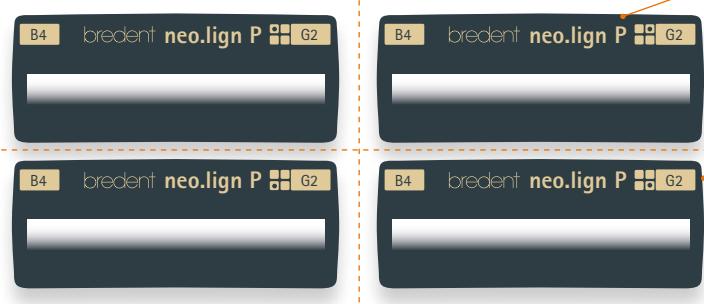
**A** stands for anterior, which includes all anterior tooth designs for both the upper and lower jaws.

Tooth mould, e.g. **D48**

Tooth shade, e.g. **B4**

### neo.lign P

G designs



**P** stands for posterior, which includes all posterior tooth designs for both the upper and lower jaws.

For neo.lign P variants of posterior teeth, a distinction is made between **G** and **L** designs.

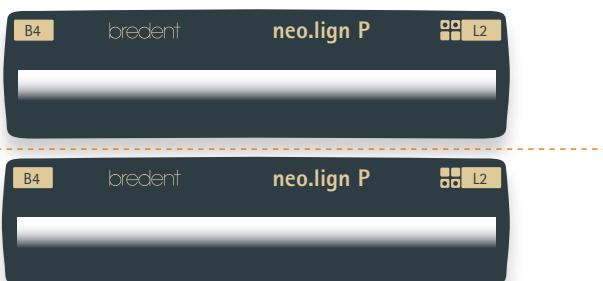
Both the G and L designs are available in several sizes. Each size is assigned a numeric code. The size increases with numeric value. G and L designs of full teeth are available in sizes 2, 3 and 4.

→ For sizing charts see page 45

The G shapes are grouped by quadrant, i.e. premolars and molars, e.g. of the lower jaw of the 4th quadrants of a shape and size, e.g. **G2**. On the toothed strips of the G and L shapes, all four quadrants are shown in the form of four small boxes. The corresponding quadrant is marked with a dot.

With the L-shapes, the toothed strips are equipped with either all upper jaw (16, 15, 14, 24, 25, 26) or all lower jaw teeth (46, 45, 44, 34, 35, 36).

### L designs



## neo.lign | Colours and forms

### neo.lign A

Anterior teeth



- 13 upper moulds
- 4 lower moulds

### Variety with system



### neo.lign P

Posterior teeth

#### G designs

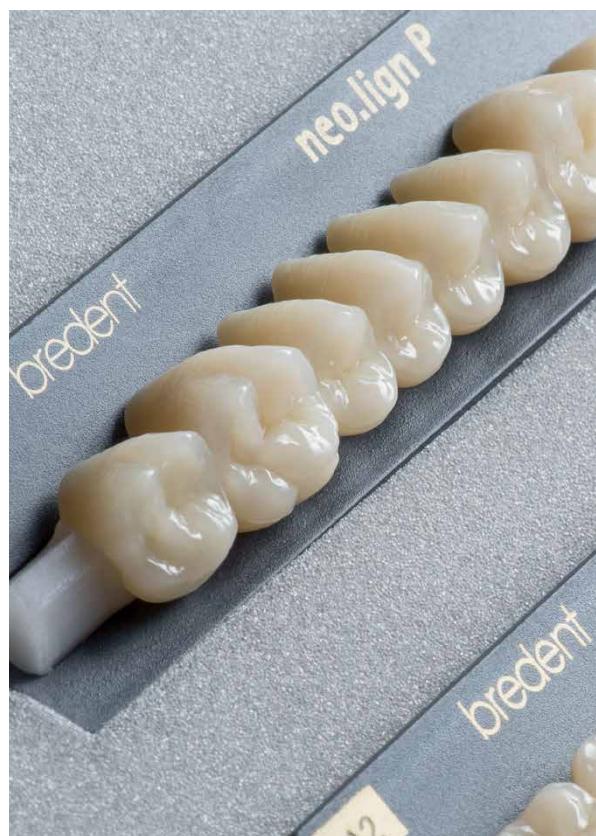


- Multi-functional occlusal design  
for all occlusion concepts

#### L designs



- Lingualised occlusal design  
for full dentures



Available in sizes

**G2**    **G3**    **G4**

small                      large

Available in sizes

**L1**    **L2**    **L3**    **L4**

small                      large

All neo.lign A and neo.lign P shapes are available in the following colours:



# neo.lign | Variety of shapes

Upper anterior



F41



F44



B43



I45



C43



H46



A44



S46

Lower anterior



T33



T35

The colour completes the REF:



BL3



A1



A2



A3



A3.5



A4



B1



B2



I47

REF TOI47 \_\_\_ S



B51

REF TOB51 \_\_\_ S



D48

REF TOD48 \_\_\_ S



M48

REF TOM48 \_\_\_ S



D49

REF TOD49 \_\_\_ S



D38

REF TUD38 \_\_\_ S



D41

REF TUD41 \_\_\_ S



B30



B40



C10



C20



C30



C40



D20



D30



D40

# neo.lign | Variety of shapes

Upper/lower posterior



G2

**[REF] TO1G2 \_\_\_\_**



G2

**[REF] TO2G2 \_\_\_\_**



G3

**[REF] TO1G3 \_\_\_\_**



G2

**[REF] TU4G2 \_\_\_\_**



G2

**[REF] TU3G2 \_\_\_\_**



G3

**[REF] TU4G3 \_\_\_\_**



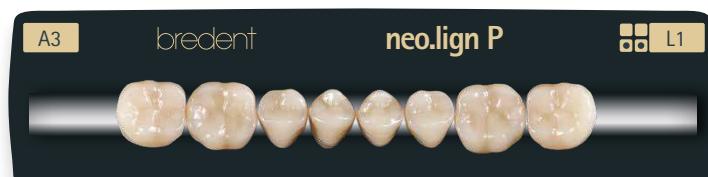
L1

**[REF] TOWL1 \_\_\_\_**



L2

**[REF] TOWL2 \_\_\_\_**



L1

**[REF] TUWL1 \_\_\_\_**



L2

**[REF] TUWL2 \_\_\_\_**

The colour completes the **[REF]**:



**BL3**



**A1**



**A2**



**A3**



**A3.5**



**A4**



**B1**



**B2**



G3

REF TO2G3 \_\_\_\_

G4

REF TO1G4 \_\_\_\_

G4

REF TO2G4 \_\_\_\_



G3

REF TU3G3 \_\_\_\_

G4

REF TU4G4 \_\_\_\_

G4

REF TU3G4 \_\_\_\_



L3

REF TOWL3 \_\_\_\_

L4

REF TOWL4 \_\_\_\_



L3

REF TUWL3 \_\_\_\_

L4

REF TUWL4 \_\_\_\_



B 3 0

B 4 0

C 1 0

C 2 0

C 3 0

C 4 0

D 2 0

D 3 0

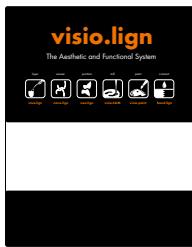
D 4 0



# neo.lign | sets

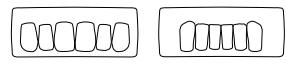
## **[REF] VLIGNPRVT** Living mould chart neo.lign - neo.lign A and neo.lign P

visio.lign folding box



1 x

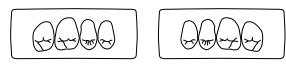
neo.lign A full teeth - Anterior teeth



13 x                  4 x

= 17 tooth cards/slides:  
1 tooth card/slide in each design

neo.lign P full teeth - Posterior teeth G designs



3 x                  3 x

= 12 tooth cards/slides:  
each 1 x G design in sizes:  
G2, G3 and G4

3 x                  3 x

neo.lign P full teeth - Posterior teeth L designs



4 x                  4 x

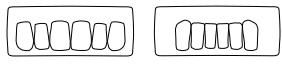
= 8 tooth cards/slides:  
each 1 x L design in sizes:  
L2, L3 and L4

Range of all tooth shapes in a colour of your choice

→ Classic A to D shades and  
BL3 bleached shade

## **[REF] VLIGNPRVT1** neo.lign shape kit - reduced quantity of shapes

neo.lign A full teeth - Anterior teeth



13 x                  4 x

= 17 tooth cards/slides:  
1 tooth card/slide in each design

neo.lign P full teeth - Posterior teeth L designs



4 x                  4 x

= 8 tooth cards/slides:  
each 1 x L design in sizes:  
L2, L3 and L4

Assortment in one shade of your choice

→ Classic A to D shades and  
BL3 bleached shade

5



# bond.lign

---

## secure natural beauty

BOND.LIGN IS A UNIQUE  
COMPOSITE SYSTEM FOR  
PERMANENTLY SECURING THE  
ADHESION OF ALL VISIO.LIGN  
SYSTEM COMPONENTS  
AND COMPOSITES TO ALL  
COMMON FRAMEWORK  
MATERIALS SUCH AS NEM, EM,  
TITANIUM, HIPC (POLYMERS/  
COMPOSITES), PEEK (E.G.  
BIOHPP) AND  
ZIRCONIUM OXIDE.

PRIMER AND BONDER  
OPAQUE  
LUTING COMPOSITE

## Primer and bonder

### MKZ primer

Adhesive bond of composite to metal frameworks

- Titanium
- Non-precious metal alloys
- Zirconium oxide
- Oxide ceramics



REF MKZ02004

5 ml

The MKZ primer is used to condition all metallic NEM alloys, titanium, zirconium oxide and oxide ceramics in order to create a chemical bond to composites such as crea.lign or novo.lign as well as to all other plastics (e.g. top.lign, PMMA, etc.). The MKZ primer can be used intraorally and is ideally suited for bonding of individual abutments.

### MKZ EM activator

Adhesive bond of composite to precious metal frameworks

- Precious metal alloys (Au, Ag, Pt, Pd)
- eco-alloys  
(low precious metal alloys)



REF MKZEM004

4 ml

The MKZ EM activator in combination with the MKZ primer is used to condition precious metal frameworks (Au, Ag, Pt, Pd), in order to create a chemical bond to composites such as crea.lign or novo.lign. Like the MKZ primer, the MKZ EM activator can be used intraorally.

**⚠ Only use in combination with MKZ primer!**



## K primer

Adhesive bonding of composite to oxide ceramic frameworks



- Lithium (di)silicate
- Veneering and press ceramics

The K primer produces the adhesive bond between lithium (-di) silicate, veneering ceramics and press ceramics to composites such as crea.lign or novo.lign. Ideal when repairing ceramic veneers, as the K primer may be used intraorally.



### silanisation

K primer is also suitable for silanisation of surfaces.

## visio.link

Adhesive bonding of composite to plastics

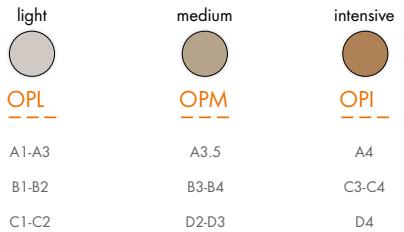


- PMMA denture resins
- Composite (veneer composites/composite teeth)
- High-performance polymers BioHPP
- PEEK/PEKK/PAEK

The light-curing visio.link is used to create the bond between PMMAprostheses plastics, high-impact PMMA composite materials, high-performance polymers such as BioHPP and materials such as PEEK/PEKK/PAEK to other composites such as crea.lign or novo.lign. visio.link can also be used intraorally.

# bond.lign

## Opaque combo.lign

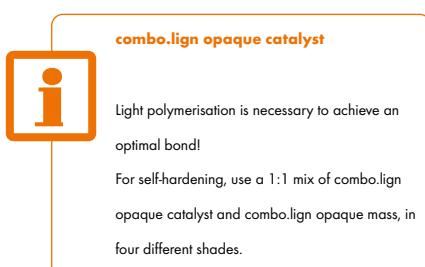


**REF CO1X4 \_\_\_**  
**4 g**

### Opaque combo.lign

is a light-curing and self-curing opaque that guarantees safe curing. It is colour-coordinated with the use of combo.lign luting composite and novo.lign veneers.

The university-tested composite system is compatible with all metal primers and silanisation processes and is ideal when using mechanical retentions. The combo.lign opaque is available in one gingival and three tooth colours. In combination with combo.lign luting composite, this guarantees colour stability in all A-D colours.



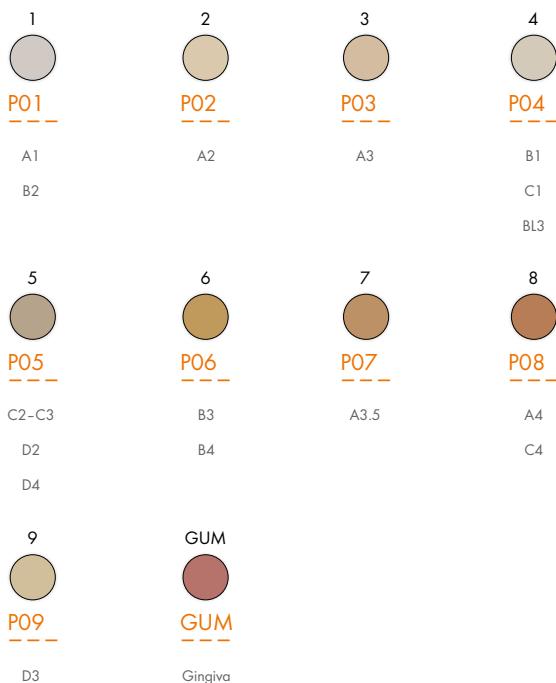
**REF CO1X4 KAT**  
**4 g**

### Opaque combo.lign catalyst

#### Shade combination table combo.lign opaque

| combo.lign opaque |                                |                             |                      |                |
|-------------------|--------------------------------|-----------------------------|----------------------|----------------|
| system shades     | light                          | medium                      | intensive            | GUM            |
| <b>shades</b>     | A1 - A3 / B1 - B2 /<br>C1 - C2 | A3.5 / B3 - B4 /<br>D2 - D3 | A4 / C3 - C4 /<br>D4 | Gingiva shades |

# crea.lign opaque



**REF CLFHO**     
**4 g**

## crea.lign opaque

The light-curing crea.lign opaque provides shade reliability in the freestyling layer and when using novo.lign veneers. Together with the MKZ primer, it forms the basis for optimum bonding with metallic and ceramic framework materials and therefore for long-lasting prosthetic restorations without marginal gaps. All shades of the classic A-D system are covered by just nine opaques. The special GUM opaque is suitable for all GUM shades.



**REF CLFHOP0Z**     
**4 g**

## crea.lign opaque Z, zirconium liner

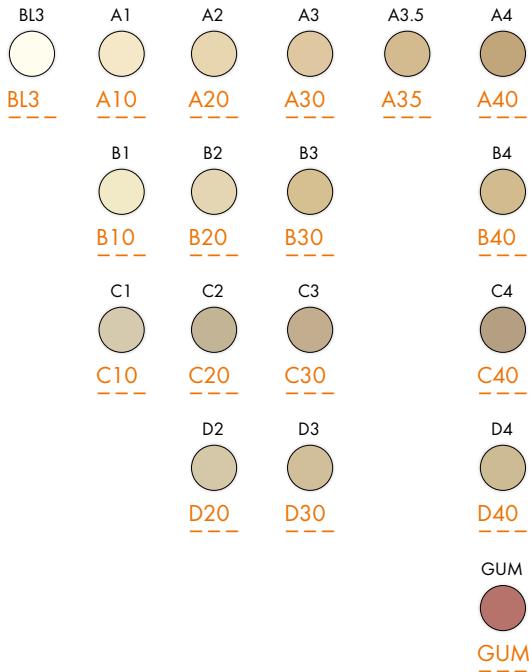
The light-curing zirconium liner is a transparent opaque. When using zirconium it is essential to apply zirconium liner after applying the appropriate primer (MKZ primer) to achieve reliable bonding of zirconium oxide and composite.

Shade combination table crea.lign opaque

| crea.lign opaque |         |    |    |                  |                      |         |      |         |    |                   |
|------------------|---------|----|----|------------------|----------------------|---------|------|---------|----|-------------------|
| system shades    | 1       | 2  | 3  | 4                | 5                    | 6       | 7    | 8       | 9  | GUM               |
| shades           | A1 / B2 | A2 | A3 | B1 / C1 /<br>BL3 | C2 / C3 /<br>D2 / D4 | B3 / B4 | A3.5 | A4 / C4 | D3 | Gingiva<br>shades |

The transparent crea.lign® opaque is suitable for pre-coloured frameworks, e.g. zirconium.

# combo.lign luting composite



**REF CO2X4** \_\_\_\_\_  
8 g

combo.lign is a light-curing and dual-cure luting composite for reliable colour reproduction and optimal bonding between novo.lign veneer and all framework materials.

# DTK adhesive



transparent



opaque

**REF 54001195**  
8 g

**REF 54001295**  
8 g



The DTK dual-cure adhesive enables a durable and secure bond between all prosthetic materials. Ideal for bonded, individual abutments.

Thanks to its sterilisability, contamination is avoided and maximum hygiene is possible.

The DTK adhesive is suitable for intraoral and extraoral use.



**bond.lign**  
full range bonding kit



**bond.lign**  
chipping repair kit

# bond.lign | sets

## **[REF CLFHOPSET] crea.lign opaque set**

crea.lign opaque, 4 g



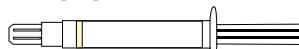
- |             |             |
|-------------|-------------|
| 1 x shade 1 | 1 x shade 6 |
| 1 x shade 2 | 1 x shade 7 |
| 1 x shade 3 | 1 x shade 8 |
| 1 x shade 4 | 1 x shade 9 |
| 1 x shade 5 |             |

crea.lign opaque

→ see page 57

## **[REF COMBOKIT] combo.lign complete kit**

combo.lign, 8 g



- |          |        |         |
|----------|--------|---------|
| 1 x BL3  | 1 x B1 | 1 x C3  |
| 1 x A1   | 1 x B2 | 1 x C4  |
| 1 x A2   | 1 x B3 | 1 x D2  |
| 1 x A3   | 1 x B4 | 1 x D3  |
| 1 x A3.5 | 1 x C1 | 1 x D4  |
| 1 x A4   | 1 x C2 | 1 x GUM |

combo.lign opaque

→ see page 56

## **[REF 54001275] DTK adhesive opaque abutment set**

Mixing cannulas



1 x 10

Double-mix cartridge  
DTK adhesive opaque, 8 g



1 x

Syringe plunger



1 x

Disposable brush



1 x 10

Brush holder



1 x

Fixation screw M1.4



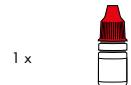
2 x

FGP insulation, 3 ml



1 x

MKZ primer, 5 ml



1 x

Silano-Pen plastic cups



1 x 12

## **[REF 54001175] DTK adhesive - abutment 1 assortment**

Mixing cannulas



1 x 10

Double-mix cartridge  
DTK adhesive transparent, 8 g



1 x

Syringe plunger



1 x

→ see page 58

## **[REF 54001285] DTK adhesive opaque assortment (5 Parts)**

Mixing cannulas



1 x 10

Double-mix cartridge  
DTK adhesive opaque, 8 g



1 x

Syringe plunger



1 x

Disposable brush



1 x 10

Brush holder



1 x

DTK adhesive

→ see page 58

## **[REF 54001185] DTK adhesive assortment (5 parts)**

Mixing cannulas



1 x 10

Double-mix cartridge  
DTK adhesive transparent, 8 g



1 x

Syringe plunger



1 x

Disposable brush



1 x 10

Brush holder



1 x

DTK adhesive

→ see page 58

→ see page 58

## **[REF 54001295] refill pack**

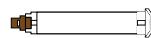
Double-mix cartridge  
DTK adhesive opaque, 8 g



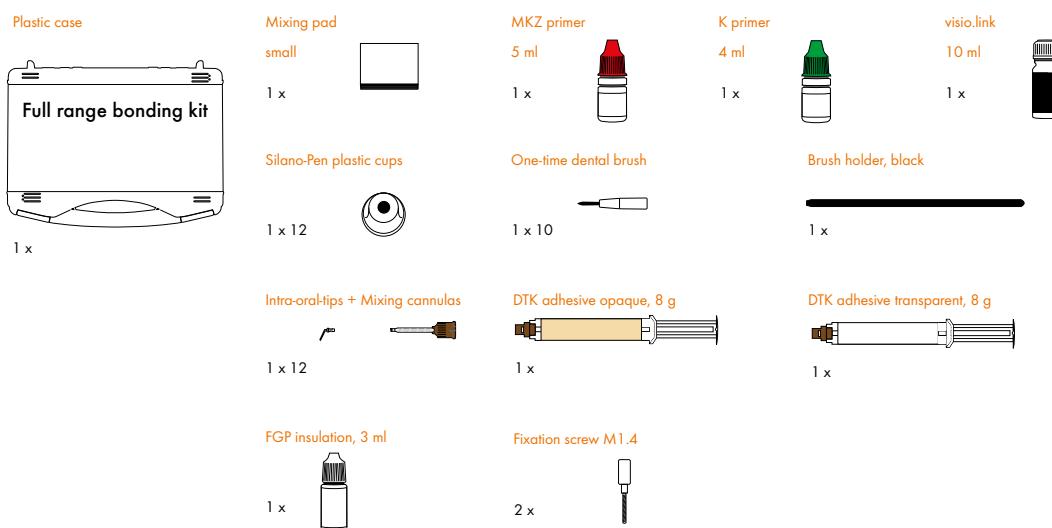
1 x

## **[REF 54001195] refill pack**

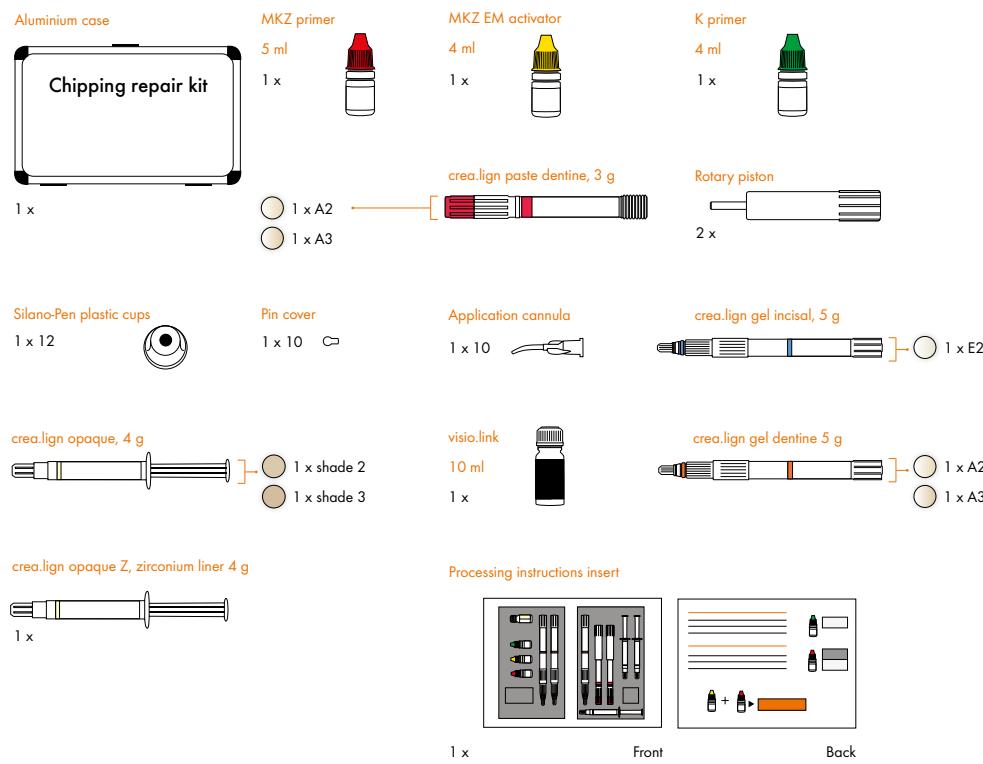
Double-mix cartridge  
DTK adhesive transparent, 8 g



1 x

**REF 5400bond****Full range bonding kit**bredent medical:  
**REF 5800bond****REF CLIGNSETA****Chipping repair kit**

dentist



6



**visio.CAM**  
design natural beauty

THE MATERIAL COMPETENCE  
OF THE VISIO.LIGN SYSTEM IS  
ALSO AVAILABLE FOR CAD/CAM  
PROCESSING.

THE BRECAM.HIPC BLANKS  
OF THE VISIO.CAM LINE ARE  
COMPATIBLE WITH THE ENTIRE  
VISIO.LIGN SYSTEM.

**COMPOSITE BLANKS**

## Composite blanks

|             | W DCS                        | AG                           | ZZ                           |                              |
|-------------|------------------------------|------------------------------|------------------------------|------------------------------|
| breCAM.HIPC | Ø 98.5 mm                    | Ø 98 mm                      | Ø 95 mm                      |                              |
| Colours     | 16 mm                        | 20 mm                        | 20 mm                        |                              |
| bleach      | <a href="#">REF 54003418</a> | <a href="#">REF 54003398</a> | <a href="#">REF 54003458</a> | <a href="#">REF 54003438</a> |
| A1          | <a href="#">REF 54003419</a> | <a href="#">REF 54003399</a> | <a href="#">REF 54003459</a> | <a href="#">REF 54003439</a> |
| A2          | <a href="#">REF 54003420</a> | <a href="#">REF 54003400</a> | <a href="#">REF 54003460</a> | <a href="#">REF 54003440</a> |
| A3          | <a href="#">REF 54003421</a> | <a href="#">REF 54003401</a> | <a href="#">REF 54003461</a> | <a href="#">REF 54003441</a> |
| A3.5        | <a href="#">REF 54003422</a> | <a href="#">REF 54003402</a> | <a href="#">REF 54003462</a> | <a href="#">REF 54003442</a> |
| A4          | <a href="#">REF 54003423</a> | <a href="#">REF 54003403</a> | <a href="#">REF 54003463</a> | <a href="#">REF 54003443</a> |
| B2          | <a href="#">REF 54003424</a> | <a href="#">REF 54003404</a> | <a href="#">REF 54003464</a> | <a href="#">REF 54003444</a> |
| B3          | <a href="#">REF 54003425</a> | <a href="#">REF 54003405</a> | <a href="#">REF 54003465</a> | <a href="#">REF 54003445</a> |
| C2          | <a href="#">REF 54003426</a> | <a href="#">REF 54003406</a> | <a href="#">REF 54003466</a> | <a href="#">REF 54003446</a> |
| C3          | <a href="#">REF 54003427</a> | <a href="#">REF 54003407</a> | <a href="#">REF 54003467</a> | <a href="#">REF 54003447</a> |
| D2          | <a href="#">REF 54003428</a> | <a href="#">REF 54003408</a> | <a href="#">REF 54003468</a> | <a href="#">REF 54003448</a> |
| D3          | <a href="#">REF 54003429</a> | <a href="#">REF 54003409</a> | <a href="#">REF 54003469</a> | <a href="#">REF 54003449</a> |
| transparent | <a href="#">REF 54003430</a> | <a href="#">REF 54003410</a> | <a href="#">REF 54003470</a> | <a href="#">REF 54003450</a> |

The advantages of the visio.lign system have also been transferred to digital processing with visio.CAM. HIPC means "high impact polymer composite" and originates from the development of the visio.lign system. Chemically, breCAM.HIPC corresponds to novo.lign veneers, making this material ideal for permanent dentures. The production takes place with pressure and heat, similar to prefabricated teeth made of plastic, at approx. 120 degrees and 250 bar pressure.



The absence of dental glass and light-curing plastic ensures high colour stability and plaque resistance. The breCAM.HIPC composite blanks of the visio.CAM line are optimally matched to the system components of the visio.lign system.

They are also available in 20 mm height for DCS, Wieland, Amann Girrbach and zirconium tooth machines and 16 mm height for DCS and Wieland machines. Available in the most common A-D colours.

**visio.CAM**

7



## Tools

support natural beauty

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THE FOLLOWING CHAPTER  
PRESENTS DEVICES, TOOLS  
AND ACCESSORIES THAT ARE  
RECOMMENDED FOR OPTIMAL  
AND EASY USE OF VISIO.LIGN  
PRODUCTS.

DEVICES,  
TOOLS  
AND ACCESSORIES

# Tools | bre.Lux

bre.Lux LED N2  
hand lamp with power supply  
full range system

REF 14001010

1 piece



## Technical data

### bre.Lux LED N2

#### hand lamp

|             |              |
|-------------|--------------|
| U           | 5 VAC        |
| P           | 5 W          |
| Light range | 370 - 500 nm |

#### Plug-in power unit Hand lamp

|        |               |
|--------|---------------|
| U      | 100 - 240 VAC |
| P      | max. 15 W     |
| Freq   | 50 - 60 Hz    |
| Output | 5 V / 3 A     |

bre.Lux Power Unit 2  
light tray including 30 sticks

REF 14001002

1 x 30 sticks

bre.Lux Power Unit 2  
light tray sticks cylinder

REF 14001003

1 x 30 pieces

bre.Lux Power Unit 2  
light tray sticks taper and cone

REF 14001004

1 x 28 pieces

The LED light curing device  
bre.Lux Power Unit 2 set

impresses with safety and speed in the polymerisation of objects. The innovative LED technology uses the completely relevant light spectrum of 400 nm and thus achieves a high quality of polymerisation. Different wavelengths reach different depths - this enables consistent and faster curing. Freely programmable for any requirement, including new materials.

## Technical data

### bre.Lux PowerUnit 2

#### Basic unit

|             |               |
|-------------|---------------|
| U           | 100 - 240 VAC |
| P           | 130 W         |
| Freq        | 50/60 Hz      |
| Fuse        | T 2.0 A       |
| Light range | 370 - 500 nm  |

## Advantages

### Reliable polymerisation

- all light waves available
  - = maximum penetration
  - = top quality of the result

### Unsurpassed polymerisation speed

- 72 lights + full range
  - + rotary plate + light tray

### Reliability

- Careful and gradual increase of luminous power
- Temperature control 45°-55° C - up to 65°C possible for individually adjustable programmes
- Overheat protection
- Automatic deactivation of the light with acoustic signal at the end of the programme

**bre.Lux PowerUnit 2 Set**  
**Basic unit and hand lamp**  
**including accessories**

bre.Lux Power Unit 2 basic unit  
 + bre.Lux LED N2 hand lamp  
 (including flexholder, plug-in power unit)  
 + Rotary plate  
 + Light tray (including 30 sticks)

**REF 14001015**  
 1 piece

**bre.Lux Power Unit 2**  
**basic unit including**  
**accessories**  
**Full range system**

**REF 14001000**  
 1 piece



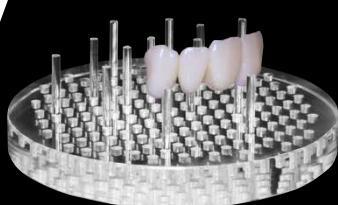
- 10 individually adjustable programmes + 1 continuous light programme

**Long service life of the LED lights**

- 20,000 operating hours or 12 years

**Ease of use**

- Easy and fast access to programmes
- Programmable to satisfy individual requirements
- Spacious drawer
- Extremely silent and compact unit



→ polymerisation times bre.Lux Power Unit 2  
 see pages 70/71

# polymerisation times

## bre.Lux PowerUnit 2

| Manufacturer | Product name                                       | bre.Lux PowerUnit 2 curing times in seconds [s] / Luminous power in percent [%] |   |  |   |   |
|--------------|--|---|---|--|---|---|
|              |  | bre.Lux LED N2 (hand lamp)  |   | bre.Lux PowerUnit2 (basic unit)                            |   |   |
|              |  | Partial polymerisation<br>(fixation/<br>partial curing)                         | Intermediate<br>polymerisation<br>(intermediate curing of<br>individual layers) | Partial<br>polymerisation<br>(fixation/<br>partial curing) | Intermediate<br>polymerisation<br>(intermediate curing of<br>individual layers) | Final polymerisation<br>(final end hardness of<br>material) |
| bredent      | visio.link   | N/A   | 30 s  | N/A  | 90 s  | 90 s  |
|              | combo.lign bonding composite                       | 30 s  | N/A   | 20 s / 50 % (iProg)  | 180 s   | 180 s   |
|              | crea.lign gel                                      | 15 s  | 15 s  | 20 s / 50 % (iProg)  | 180 s   | 360 s   |
|              | crea.lign paste                                    | 15 s  | 15 s  | 20 s / 50 % (iProg)  | 180 s   | 360 s   |
|              | combo.lign Opaker                                  | N/A   | N/A   | N/A  | 180 s   | 360 s   |
|              | crea.lign Opaker                                   | N/A   | N/A   | N/A  | 180 s   | 360 s   |
|              | visio.paint  | N/A   | N/A   | N/A  | 180 s   | 360 s   |
|              | crea.lign Stains                                   | N/A   | N/A   | N/A  | 180 s   | 360 s   |
|              | Ropak UV   | N/A   | N/A   | N/A  | 180 s **  | 360 s   |
|              | Ropak Compact opaquer UV                           | N/A   | N/A   | N/A  | 180 s **  | 360 s   |
|              | Ropak Compact opaquer tooth-coloured UV            | N/A   | N/A   | N/A  | 180 s   | 360 s   |
|              | compoForm UV                                       | 15 s  | N/A   | 20 s / 50 % (iProg)  | 90 s  | 180 s   |
|              | Tray material UV                                   | N/A   | N/A   | 40 s / 50 % (iProg)  | 90 s  | 180 s (1)   |
|              | Die varnish, light-curing                          | N/A   | 30 s *  | 20 s / 50 % (iProg)  | 90 s  | 180 s   |
| Heraeus      | SERACOLL UV  | N/A   | 15 s  | N/A  | 20 s / 50 % (iProg)   | 40 s / 50 % (iProg)   |
|              | Qu-connector                                       | N/A   | 30 s  | N/A  | 90 s  | 90 s  |
|              | Signum   | N/A   | N/A   | 20 s / 50 % (iProg)  | 180 s   | 360 s   |
|              | Palatray XL  | N/A   | N/A   | 40 s / 50 % (iProg)  | 90 s  | 360 s   |
|              | Shofu  | Solidex   | N/A   | 20 s / 50 % (iProg)  | 180 s   | 360 s   |
| GC           | Gradia   | 15 s  | N/A   | 20 s / 50 % (iProg)  | 180 s   | 360 s   |
| Wegold       | S-Lay  | N/A   | N/A   | 20 s / 50 % (iProg)  | 180 s   | 360 s   |
| VITA         | VITA VM LC PRE OPAQUE /<br>VITA VM LC OPAQUE PASTE | N/A   | N/A   | N/A  | N/A   | 180 s   |
|              | VITA VM LC OPAQUE Pulver                           | N/A   | N/A   | N/A  | 360 s   | 360 s   |
|              | VITA VM LC Composite                               | 30 s  | N/A   | 40 s / 50 % (iProg)  | 180 s   | 360 s (2)   |
| Degudent     | Degudent in:joy                                    | N/A   | N/A   | 20 s / 50 % (iProg)  | 180 s   | 360 s   |

**Notes:**

\* In case of one order only.

\*\* Only apply opaquer in two coats.

(1) For UV tray material, upper and lower side each 1 x 180 s.

(2) For pontics, layer thickness up to max. 2 mm.

(iProg) Individual programming necessary: See new parameters, including the bonding of prefabricated wax parts. Please create an individual programme with 50% luminous power without step function (heat reduction!).

N/A Not applicable.

**The polymerisation times are guide values for intact devices.**

**Individual programmes:** Metal frameworks store the thermal energy of light more than pure polymers. Heat can have a positive effect on materials in the form of post-treatment or, in the case of too much heat, can lead to embrittlement or stresses. The development of heat can be conveniently controlled by the user by automatically adapting the stored (default) programs to the desired material conditions. For metal-free restorations or constructions with material thicknesses of more than 2mm, the option up to 100% power "Red. Power off" is recommended. For restorations that include metal components or involve high material shrinkage, it is recommended to reduce the light power: "Red. Power on". However, raising the power to 100% is always possible in the individual programs without having to re-adjust the unit.

In some cases, the curing times may change proportionally.

**The hand lamp can be used as an alternative to the bre.Lux PowerUnit 2 for partial or intermediate polymerisation. The final curing is always done using the bre.Lux PowerUnit 2!**

## Other suitable light polymerisation devices

Polymerisation times for the visio.lign system components visio.link, combo.lign and crea.lign

| Manufacturer     | Product name                     | Wavelength [nm]*             | Polymerisation times in seconds [s] |                                |  |
|------------------|----------------------------------|------------------------------|-------------------------------------|--------------------------------|--|
|                  |                                  |                              | visio.link                          | combo.lign                     | crea.lign / crea.lign - Opaker / combo.lign - Opaker |
| bredent          | bre.Lux PowerUnit 2              | 370 - 500 nm                 | 90 s                                | 180 s                          | 360 s  |
| Dentsply         | Triad 2000                       | 400 - 500 nm                 | 180 s                               | 360 s                          | 600 s  |
| Degudent         | Eclipse                          | k.A.                         | 60 s                                | 180 s                          | 360 s  |
| Heraeus Kulzer   | Dentacolor XS, Uni XS, Heraflash | 320 - 520 nm                 | 90 s                                | 180 s                          | 360 s  |
| GC               | Labolight LV-III                 | 380 - 490 nm                 | 120 s                               | 300 s                          | 600 s  |
| Ivoclar Vivadent | Targes Power Ofen, Luminat 100   | 400 - 580 nm                 | 240 s                               | 180 s                          | 480 s  |
| Schütz Dental    | Spektra 200                      | 310 - 500 nm                 | 120 s                               | 180 s                          | 360 s  |
| Shofu Dental     | Solidilite                       | 400 - 500 nm                 | 90 s                                | 180 s                          | 360 s  |
| Kuraray Dental   | CS 110                           | k.A.                         | 120 s                               | 300 s                          | 480 s  |
| Hager & Werken   | Speed Labolight                  | 320 - 550 nm                 | 90 s                                | 180 s                          | 480 s  |
| 3M ESPE          | Visio Beta                       | neu: P1 - P4<br>alt: U0 - U3 | 400 - 500 nm                        | > 240 s (P2)<br>420 s (U1, U3) | 420 s (P2)<br>900 s (U0)                             |
|                  |                                  |                              |                                     |                                | 900 s (P1)<br>900 s (U0)                             |

**Notes:**

\* Manufacturer's data  
n/a No information

## Layer thickness and shade combination tables

Polymerisation times for specific layer thicknesses

| Material                             | max. layer thickness [mm] | bre.Lux PowerUnit 2 polymerisation times in seconds [s]                   |  |
|--------------------------------------|---------------------------|---|--|
|                                      |                           | Intermediate polymerisation<br>(intermediate curing of individual layers) | Final polymerisation<br>(final end hardness of material) |
| crea.lign Enamel                     | 1 mm                      | 180 s   | 360 s  |
| crea.lign Incisal                    | 1 mm                      | 180 s   | 360 s  |
| crea.lign Transpa clear              | 1 mm                      | 180 s   | 360 s  |
| crea.lign Dentin                     | 1 mm                      | 180 s   | 360 s  |
| crea.lign Modifier                   | 1 mm                      | 180 s   | 360 s  |
| crea.lign GUM                        | 1 mm                      | 180 s   | 360 s  |
| crea.lign Stains                     | 0,3 mm                    | 180 s   | 360 s  |
| visio.paint                          | 0,1 mm                    | 180 s   | 360 s  |
| 30% visio.paint mixed with crea.lign | 0,3 mm                    | 180 s   | 360 s  |
| crea.lign paste                      | 2 mm                      | 180 s   | 360 s  |
| combo.lign                           | 2 mm                      | 180 s   | 180 s  |
| crea.lign Opaker                     | 0,1 mm                    | 180 s   | 360 s  |
| combo.lign Opaker                    | 0,1 mm                    | 180 s   | 180 s  |

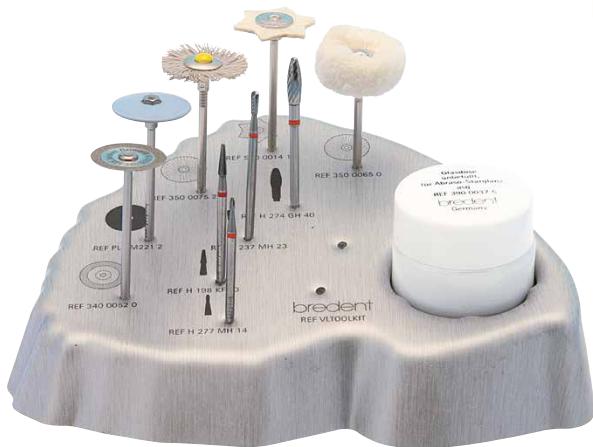
# Tools

## visio.lign Toolkit

The combination of the materials of the visio.lign veneering system and the visio.lign toolkit results in a surface featuring plaque resistance and shade stability, and its quality and resistance is identical to that of a ceramic material.

### Composite surfaces like ceramics

The visio.lign toolkit has been designed specifically for the finishing of composites, such as visio.lign veneers, and provides tools and polishing pastes for a perfect finish.



**REF VLTOOLKIT**

1 piece, 14 parts

Tool stand and glass jar without tools



**REF VL1SHELL**

1 piece, 2 parts

Preparation set for composite veneers

### Benefits

#### of the visio.lign toolkit

- Burs with relief produce smooth surfaces and reduce polishing time
- Prepolishing and high lustre polishing pastes are included in the set
- Tools are arranged at different heights to ensure easy access and grasp
- Removable glass pots to avoid drying out of high lustre polishing paste
- Pictograms and reference numbers are printed on the tools and stand for better visual control
- Three empty spaces for additional tools

### crea.lign surface cleaner

Cleaner for removing the dispersion layer



**REF 43000600**

125 ml

Abraso-Star gloss high lustre polishing



**REF 52000163**

2 x 50 ml

Acrypol polishing paste for veneering materials



**REF 52000170**

170 g

# crea.lign gel

**Stainless steel syringe holder  
for crea.lign syringe**



Stainless steel syringe holder for up to 6 crea.lign syringes including the single-hand grip.

**REF 32000960**

1 piece

**Application cannulas  
+ pin cover**



Lightproof protective cover, suitable for all application cannulas

Light-blocking application cannulas suitable for all crea.lign 5 g syringes

**REF 32000940**

10 pieces each

**Mixing pad 100 x100 mm**



**REF 32000460**

1 piece, 100 sheets

**Syringe holder for  
crea.lign 5 g and stains**



Up to 12 crea.lign syringes including the single-hand grip can be housed in this crea.lign syringe holder.

**REF 32000443**

1 piece

**Rotary piston  
with UV-LED**



Single-hand grip for all crea.lign gel 5 g syringes, for simple and controlled dispensing

**REF 32000445**

1 piece

**Mixing pads  
35 x 50 x10 mm**



**REF 33001144**

10 pieces, 100 sheets each

**Single-hand grip +  
application cannula  
for crea.lign gel syringes**



The single-hand grip has been specially designed for crea.lign gel syringes and, in combination with the application cannulas, makes it easier for the user to ensure precise dosing with one hand. Using the single-hand grip, the syringe sits firmly in the palm of the hand and the liquid gel can be dispensed by turning the ribbed rotating device using the thumb or index finger of the same hand.

The other hand remains free to carry out other work, e.g. holding the object being processed.



The UV LED hand lamp is integrated into the single-hand grip and can be removed as required. The applied crea.lign gel can be quickly hardened with the aid of this.

# Tools

## crea.lign paste

syringe holder for  
crea.lign paste



Syringe holder in transparent plastic for five crea.lign pastes, unloaded.

**REF 32000447**

1 piece

crea.lign  
composite shaper kit



The modelling instruments made of silicone have been specially developed for the crea.lign paste. They serve as application and modelling aids.

**REF 32000480**

1 piece

Rotary piston  
crea.lign paste



Rotary piston for all crea.lign pastes, for simple and controlled dispensing

**REF 32000444**

1 piece

## novo.lign

Thermo-Pen



The Thermo-Pen is a flameless hot-air device with piezo technology. The veneers can be heated without the risk of burning them. The temperature required to shape the veneers is approx. 250 C. Expansion improves coating of telescopic crowns, for example.

**REF 11001470**

1 piece



We recommend the Thermo-Pen  
for thermoplastic shaping

[1]



Heat veneer

[2]



Bend hot veneer upwards



# bond.lign

**bond.lign stainless steel tripod  
(unloaded)**



High-quality metal stand with removable tubs  
- can be used on both sides (large and small cooling). Brush holder and spacious storage.

**REF 32000970**

1 piece

**Dispenser for 5 ml 1:1  
combo.lign luting composite**



Dispenser for all combo.lign cartridges, for simple and controlled dispensing of combo.lign luting composite.

**REF 32000441**

1 piece

**combo.lign  
mixing cannulas  
size 2**



Lightproof mixing cannulas for all combo.lign luting composites

**REF COMKG210**

1 x 10 pieces

# Preparatory work

**Multisil dosing device  
visio.sil silicone dispenser**



Dispenser for visio.sil, visio.sil ILT and visio.sil fix cartridges, for simple and controlled dispensing of the silicone.

**REF 32000440**

1 piece

**Mixing cannulas size 2 yellow  
for visio.sil fix silicone**



Mixing cannula for high-precision silicone for matrices.

**REF 32000451**

1x 12 pieces

**Mixing cannulas size 4 green  
for visio.sil and visio.sil ILT silicones**



Mixing cannulas for transparent visio.sil silicone.

**REF 32000457**

1 x 12 pieces

# Tools

## visio.lign tooth cabinet / box

including 10 push inserts, unloaded



Tooth and tray cabinet for storing neo.lign / novo.lign anterior and posterior sets

**REF VLIGNBOX2**

1 piece

### Loading drawer inserts for



26 x neo.lign/novo.lign P posterior sets (8/6 toothed strips) + 13 x neo.lign or novo.lign A/P sets

**REF 00745961**

1 piece



52 x neo.lign/novo.lign A anterior sets/52 x neo.lign/novo.lign P posterior sets (set of 4)

**REF 00745962**

1 piece



9 x crea.lign opaque and / or crea.lign paste syringe

**REF 00745824**

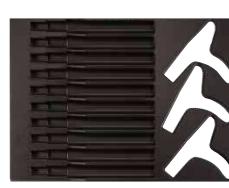
1 piece



6 x combo.lign opaque syringe

**REF 00745827**

1 piece



10 x crea.lign gel syringe  
3 x single-hand grip

**REF 00745847**

1 piece



8 x crea.lign gel and/or crea.lign paste syringe  
2 x adhesive bond liquid vials  
1 x silicone cartridge

**REF 00745816**

1 piece

# Material processing matrix

| Material                    | Processing |                    |                                    |                                |
|-----------------------------|------------|--------------------|------------------------------------|--------------------------------|
|                             | Veneering  | Freestyle layering | Freestyle layering with Gnathoflex | Freestyle layering in a matrix |
| visio.sil fix               | •          |                    |                                    |                                |
| visio.sil                   | •          |                    |                                    |                                |
| visio.sil ILT               | •          |                    |                                    | •                              |
| MKZ primer                  | •          | •                  | •                                  | •                              |
| MKZ EM activator            | •          | •                  | •                                  | •                              |
| K primer                    | •          | •                  | •                                  | •                              |
| visio.link                  | •          | •                  | •                                  | •                              |
| bre.lux Power Unit          | •          | •                  | •                                  | •                              |
| Gnathoflex                  |            |                    | •                                  |                                |
| crea.lign modelling liquid  | •          | •                  | •                                  | •                              |
| combo.lign opaque           | •          |                    |                                    |                                |
| crea.lign opaque            | •          | •                  | •                                  | •                              |
| combo.lign luting composite | •          |                    |                                    |                                |
| novo.lign Veneers           | •          |                    |                                    |                                |
| crea.lign gel               | •          | •                  | •                                  | •                              |
| crea.lign paste             | •          | •                  | •                                  | •                              |
| visio.paint Stains          | •          | •                  | •                                  | •                              |
| visio.lign Toolkit          | •          | •                  | •                                  | •                              |

# Media



Preparatory work



crea.lign



novo.lign

[REF] **000482GB**

Inverse Layering Technique  
by Vincenzo Musella

[REF] **000577GB**

crea.lign  
brochure

[REF] **009939GB**

novo.lign  
brochure



visio.lign

[REF] **000569GB**

Flyer  
visio.lign imageflyer

[REF] **000651GB**

crea.lign red-white  
brochure

[REF] **000202GB**

novo.lign  
range of designs

[REF] **009907GB**

crea.lign  
paste

[REF] **000754GB**

novo.lign and top.lign  
professional Quick Guide

[REF] **009833GB**

crea.lign  
Manual

[REF] **009485GB**

crea.lign  
layering diagram for  
RED-WHITE customisation

[REF] **992990GB**

Dental aesthetics,  
Vincenzo Musella  
book



neo.lign



bond.lign



visio.CAM

**[REF] 000305GB**neo.lign  
brochure**[REF] 000329GB**neo.lign  
design chart**[REF] 000468GB**neo.lign  
set-up instructions**[REF] 0091006GB**neo.lign  
argumentation flyer**[REF] 009539GB**Brochure  
indication of the  
visio.lign primers**[REF] 009893GB**DTK adhesive  
products**[REF] 000477GB**Data Sheet  
MKZ primer/K primer**[REF] 009894GB**Adhesive protocol  
full range bonding kit**[REF] 000500GB**brochure  
breCAM consumables  
CAD/CAM

visio.lign tools

**[REF] 000234GB**visio.lign brochure  
Instructions for use**[REF] 000274GB**visio.lign  
binder empty**[REF] 000590GB**bre.Lux Power Unit 2  
brochure

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## **visio.lign**

The Aesthetic and Functional System

layering

veneering

setting up

milling

staining

bonding



**crea.lign**



**novo.lign**



**neo.lign**



**visio.CAM**



**visio.paint**



**bond.lign**

**bredent** group

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