love
all you need

Product Information

CERCON CERAM LOVE

DeguDent
A Dentsply Company

Table of Contents

Purpose

- Cercon® ceram love is a ceramic veneering material developed specifically and exclusively for veneering zirconia (Y-TZP) crowns and bridges with a coefficient of thermal expansion of 10.5 µm/m · K (25-500 °C), preferably made of Cercon base.
- For dental use only.

Contraindications

- Cercon® ceram love is not suitable for veneering titanium or other metal frameworks.
- Cercon® ceram love is contraindicated in bruxism or other types of parafunction.
- In addition, Cercon® ceram love is contraindicated in situations where the interocclusal space is insufficient.

Precautionary notes for medical devices

If properly processed and used, adverse effects of these medical products will be highly unlikely. However, reactions of the immune system (such as allergies) or localized paraesthesia (such as an irritating taste or irritation of the oral mucosa) cannot be completely ruled out as a matter of principle. Should you hear or receive information about any adverse effects – even when doubtful – we would like to request notification.

In patient hypersensitivity to Cercon® ceram love veneering ceramics or one of its ingredients, this medical product may not be used or only under the particular scrutiny of the dentist or physician in charge. Known cross-reactions or interactions of this medical product with other medical products or material already present in the oral environment must be taken into consideration by the dentist or physician in charge when selecting this medical product.

Notify the dentist or physician in charge of all factors described above if you use this medical product for a custom construction.

- Do not inhale dust particles during grinding.

Safety instructions

When working with these materials, make sure to comply with the Instructions for Use and the pertinent Material Safety Data Sheets (MSDS).

Adverse effects and interactions

We are not aware of any risks or adverse effects related to Cercon® ceram love veneering ceramics.

Technical specifications

- CTE dentine: 9,2 µm/m·K (25–500 °C)

Release date: May 2009

Transport and storage

- Liquids: Store containers tightly closed at temperatures above 10°C.
- Protect others and pastes from moisture.

Symbols on product labels

REF Product code

LOT Batch or lot number

Use before

Consult instructions for use

Consult instructions for use

10 °C Lower Temperature limit

Keep dry

Do not reuse

Combinable liquids

- Paste opaque: Paste opaque liquid
- Shoulders: Ducera® Liquid Quick
- Dentine/incisal etc.: Ducera® Liquid SD, Ducera® Liquid Form
- Stains/glazes: Ducera® Liquid Stain improved
- Isolation: Ducera® Sep Isolating, FluidDucera® Isolating High Temp

- Cercon® ceram love is not compatible with any other veneering ceramics.
- Cercon® ceram love must not be used together with Cercon® ceram kiss due to differences in material properties and firing temperatures.

love
all you need

Werner Gotsch, M.D.T.

“Successful dental technicians are characterized by their passion for perfect restoration – and their business acumen.”


A1
A2
A3
A3,5
A4
B1
B2
B3
B4
C1
C2
C3
C4
D2
D3
D4
5M3
5M2
5M1
1M1
1M2
2L1.5
2L2.5
2M1
2M2
2M3
2R1.5
2R2.5
3L1.5
3L2.5
3M1
3M2
3M3
3R1.5
3R2.5
4L1.5
4L2.5
4M1
4M2
4M3
4R1.5
4R2.5

love extends your options

Cercon ceram love is DeguDent's new ceramic system for veneering zirconia frameworks.

You can now create ceramic veneers in V-Classic and V-3D shades with a single ceramic assortment – for the first time ever.

An intelligent combination approach lets you cover the entire combined shade range with only 40 discrete masses. That is what we mean when we say "two-in-one ceramic system".

Live your emotions in ceramics.

love: all you need

Thomas Greßmann, Dr. med. dent., Neudrossenfeld, Germany
Werner Gotsch, M.D.T., Marktleuthen, Germany


Shade 1M2


Shade A3


Shade 3R 2.5


Shade B3


love
all you need
V-Classic-Farben
V-Classic-Shades
individualschichtung
individual layering
DeguDent
DeguDent GmbH
love
Cercon® ceram love
L 2
Pastenliner
Paste Liner
love
Cercon® ceram love
DE 2
Dentin
Dentine
love
Cercon® ceram love
E 1
Schneide
Enamel

love makes everything really simple

Producing V-shades is very simple: Simply select the desired V-Classic or V-3D tooth shade to read off the right combination of liner, dentine and incisal. The clever numbering pattern of the components system will make that very easy.

All 16 V-Classic- and 14 V-3D shades can be generated from a combination of just one liner, one dentine and one incisal. Out of the bottle – with no mixing.

An additional 12 V-3D shades are also child's play to achieve – simply mix two dentines at a 1 : 1 ratio using the special "scooper".


love
all you need
Basic
Kit
DeguDent
all you need

love is all-in-one

Conventional ceramic systems are frequently rather complex. Each tooth shade requires its own liners, dentines and possibly incisals – resulting in a confusing array of masses. Each shade standard requires a whole new set of masses.

With Cercon ceram love, all of this is a thing of the past: With its 13 liners, 24 dentines and 3 incisals, you will have the whole world of natural tooth shades at your fingertips. A simple basic build-up generates the desired tooth shade quickly and reliably, whether we are talking V-Classic or V-3D shades.

The basic love kit already contains all the necessary materials and greatly reduces the number of masses in the dental laboratory.

Basic Kit content:

13 x Liner

24 x Dentine

3 x Incisal

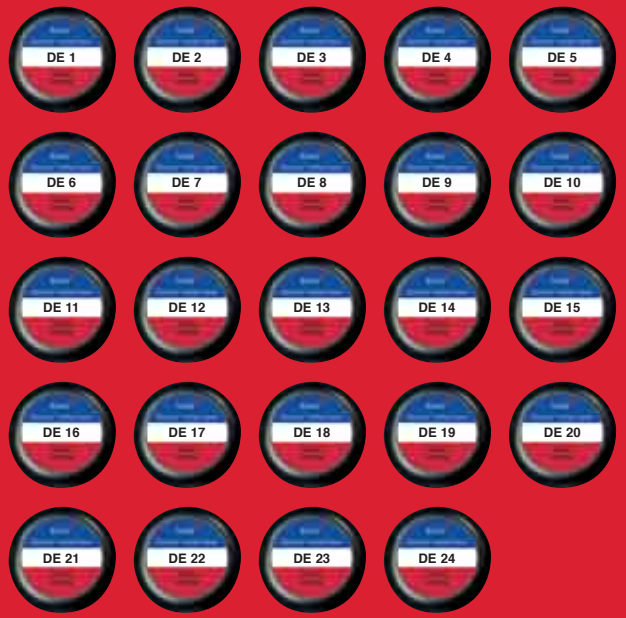
1 x Transpa Clear

1 x Add-On

1 x Glaze

Liner

Dentine



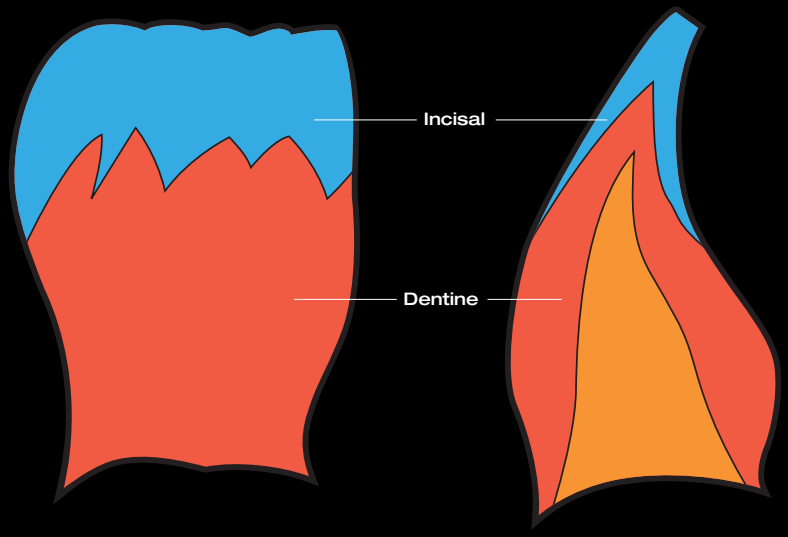
Incisal

Basic build-up

Highly aesthetic veneers can be created with the basic build-up technique within a minimum of time – for profitable everyday laboratory procedures .

The love shade wheel is used to select the components for the basic build-up.

The Cercon base frameworks are first prepared by applying the liner.



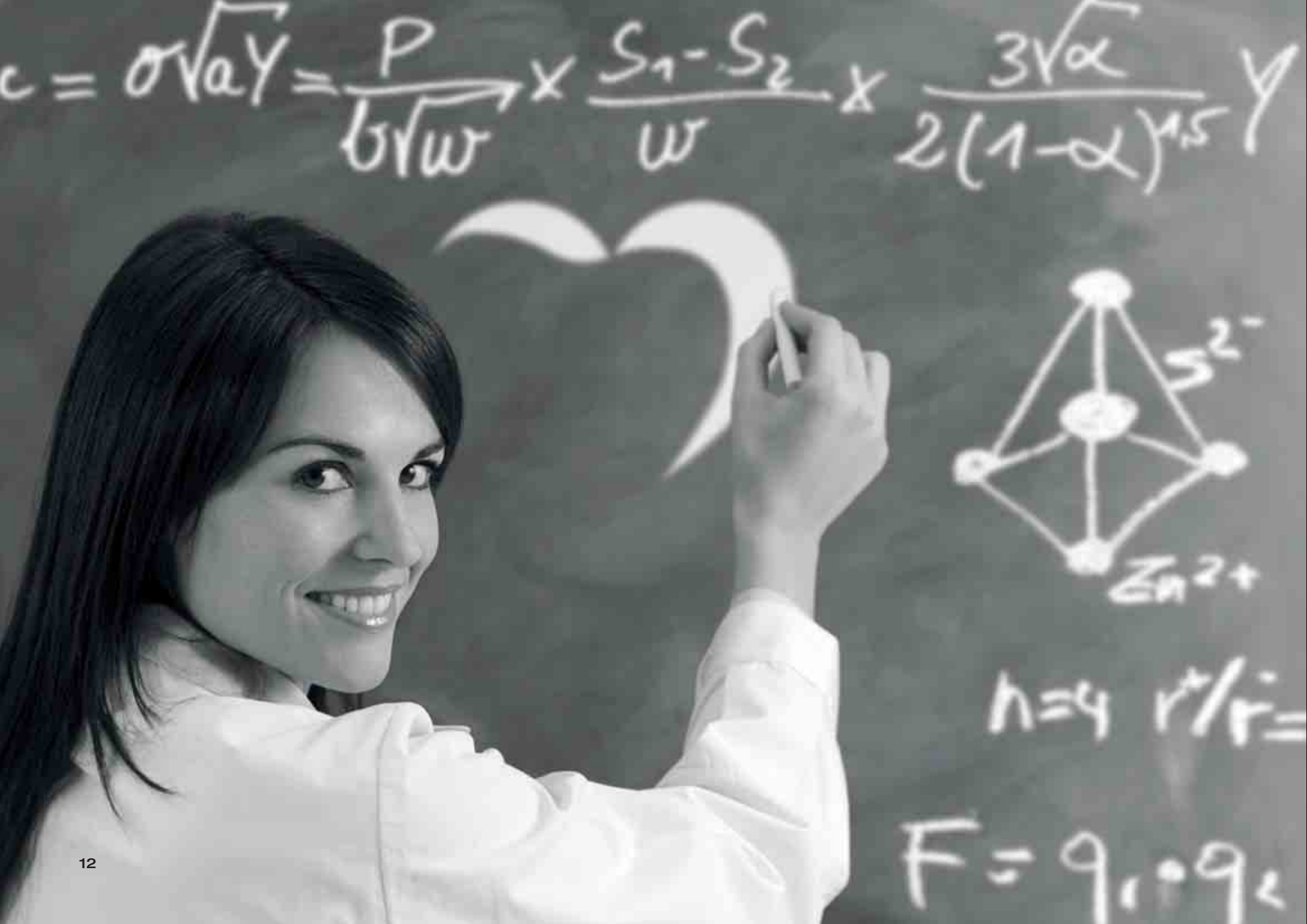
The result

The completed crown

The liner is applied in two covering layers, giving the crown its basic shade.

Building the dentine core. The shade wheel helps assign the correct materials to each shade tab.

Incisal is then added to the basic dentine build-up.

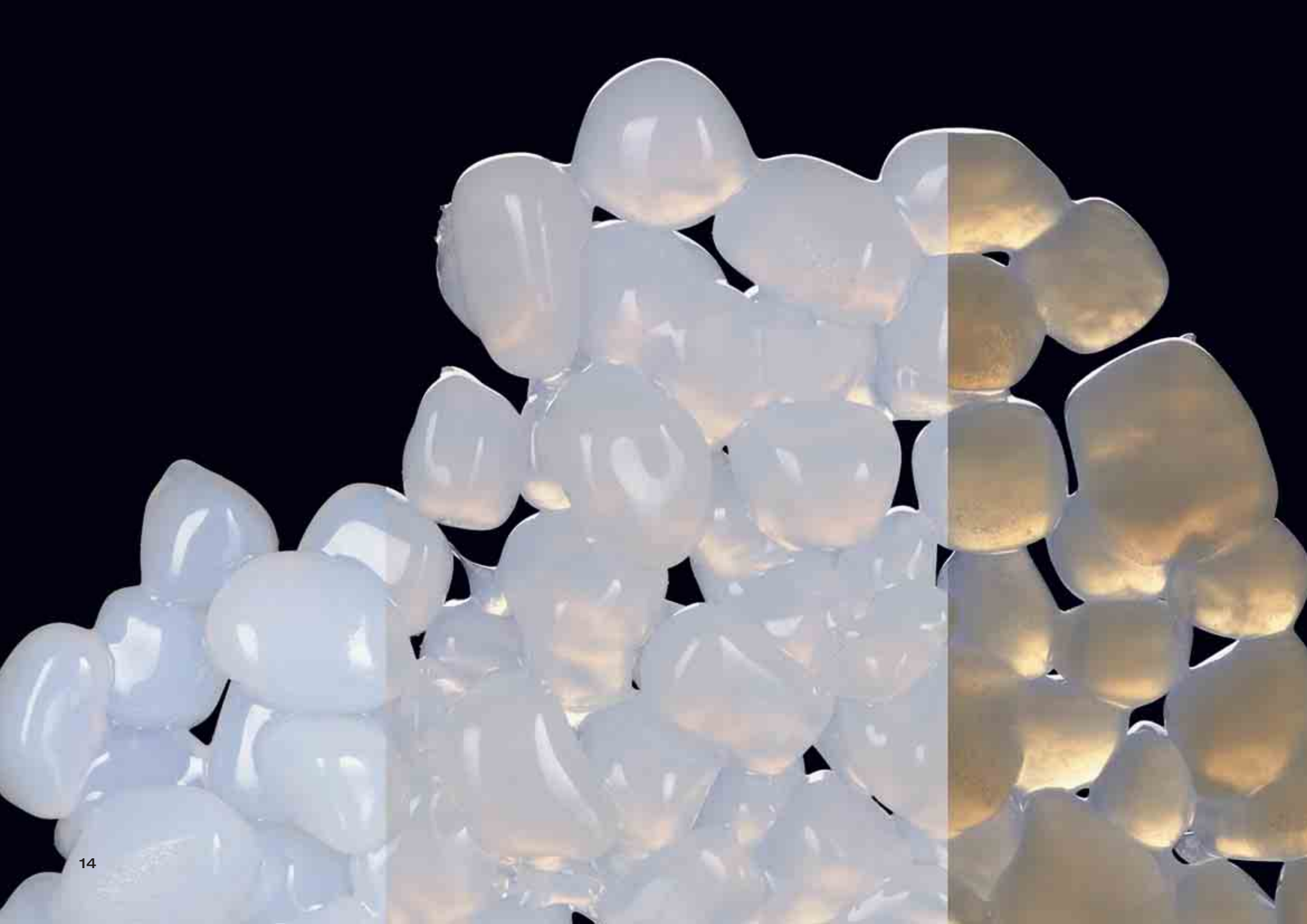

$c = \sigma\sqrt{\alpha Y} = \frac{P}{b\sqrt{w}} \times \frac{S_1 - S_2}{w} \times \frac{3\sqrt{\alpha}}{2(1-\alpha)^{1.5}} Y$
S^{2-}
Zn^{2+}
$h=4$ $r'/r=$
$F = 9,09$

Lessons in **love**

Cercon ceram love is innovative and unique – not only because its 2-in-1 shade system but also because of its excellent material and handling properties.

Cercon ceram love offers technical performance previously available only with metal-ceramic restorations. This is made possible by an innovative material architecture:

- Two phases: Leucite phase and glass phase
- Leucite-reinforced silicate glass
- Ultra-fine microstructure
- Homogenous distribution of the leucite and glass phases
- Elevated firing temperature, in the range of the classic metal veneering ceramics (first dentine firing at 900°C)
- High strength (95 MPa)
- Optimized surface homogeneity
- Stable CTE



Material properties

Microstructure

Your eyes will never let you down when it comes to love. The ultra-fine microstructure of the material with its homogeneously distributed globular leucite crystals in the glass phase provides for excellent strength of the ceramic veneer, greatly improving the overall stability of the restoration.

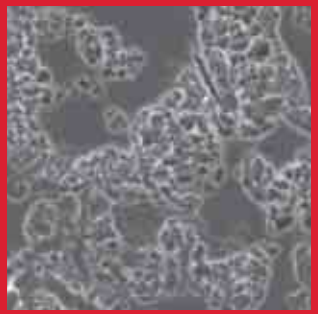
Crack-stopping mechanism

With conventional leucite-containing zirconia ceramic veneers, any cracks that might arise will go straight through large leucite crystals or will at best be slightly deflected. The fine microstructure of Cercon ceram love completely stops these cracks.

Visual properties

When it comes to love, appearances count for much. The aesthetic opalescence of Ceron ceram love is just one of its many benefits. It contributes to the intrinsic beauty of ceramic restoration made of Cercon ceram love.

Cercon ceram love – finely distributed globular leucite phase



Conventional leucite-reinforced veneering ceramics

Material properties

Aesthetic liner

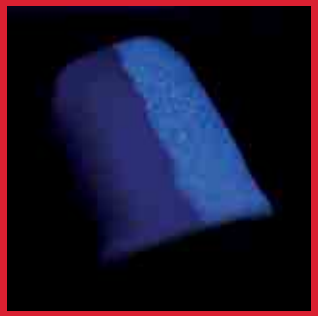
True love radiates from within. This is true of the Cercon Ceram love liner as well. Its fluorescent aesthetic effect draws on the depth of the restoration. In addition, the liner house of unique self-sealing effect, forming a closed and homogenous layer as soon as it is applied, ensuring full coverage and contributing to an excellent bond.

Depth

Love runs deep. The radiant effect of Cercon ceram love originates deep inside the build-up. The extraordinary depth effects of this material are created by its controlled translucency and fluorescence, which in turn are the result of special dense dentines.

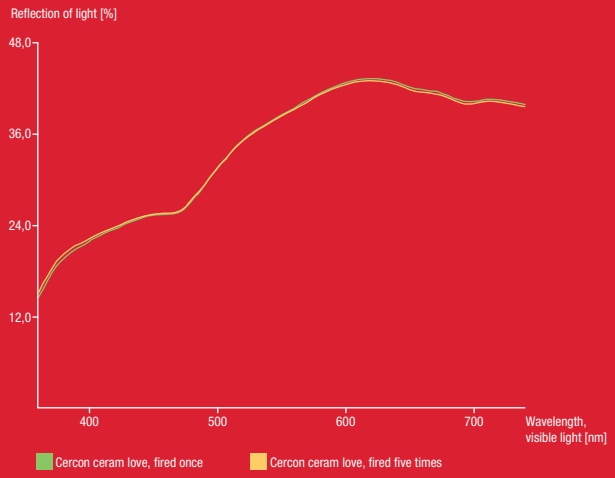
Shade fidelity

Love will master even difficult situations. Limited space requiring thin layers is not a problem for Cercon ceram love. Shade fidelity is already assured at the basic build-up level thanks to the denser dentines of the fine-tune shade concept, regardless of the thickness of the layer.




Firing stability

Sometimes love must fly its colours. Cercon ceram love sticks to its own colours – even after multiple firing. The illustration shows the values of the reflected light of two samples in a range of 400–700 nm, which is the range that the human eye can perceive. Both sample crowns were built up in the same dentine. Sample crown 1 was fired once, while sample crown 2 was fired five times. Nevertheless, both these curves are almost identical.



Distortion resistance

No one should be out of shape when things get hot. Especially not ceramics after multiple firings. Cercon ceram love is characterized by minimal contraction and excellent marginal stability after multiple firings, including correction firings. Whether fired once or five times (see illustrations) – Cercon ceram love always stays in shape.

Fired once

Fired five times

Handling properties

Love paves the way to joint success: Cercon ceram love creates a perfect veneer thanks to its long working times and good shaping properties. Denser dentines make it easier to get the right shade, even when working with thin layers. The resulting restorations are easy to finish and polish.


love
all you need
Flu 1
Flu 2
ID 2
ID 3
WS
S BY
ID 1
ID 4
Gum 1
GI
OE 1
OE 2
TR
OE Sky
Gum 2
OE Sunset
OE Ocean
OE Sunrise
OE Fog

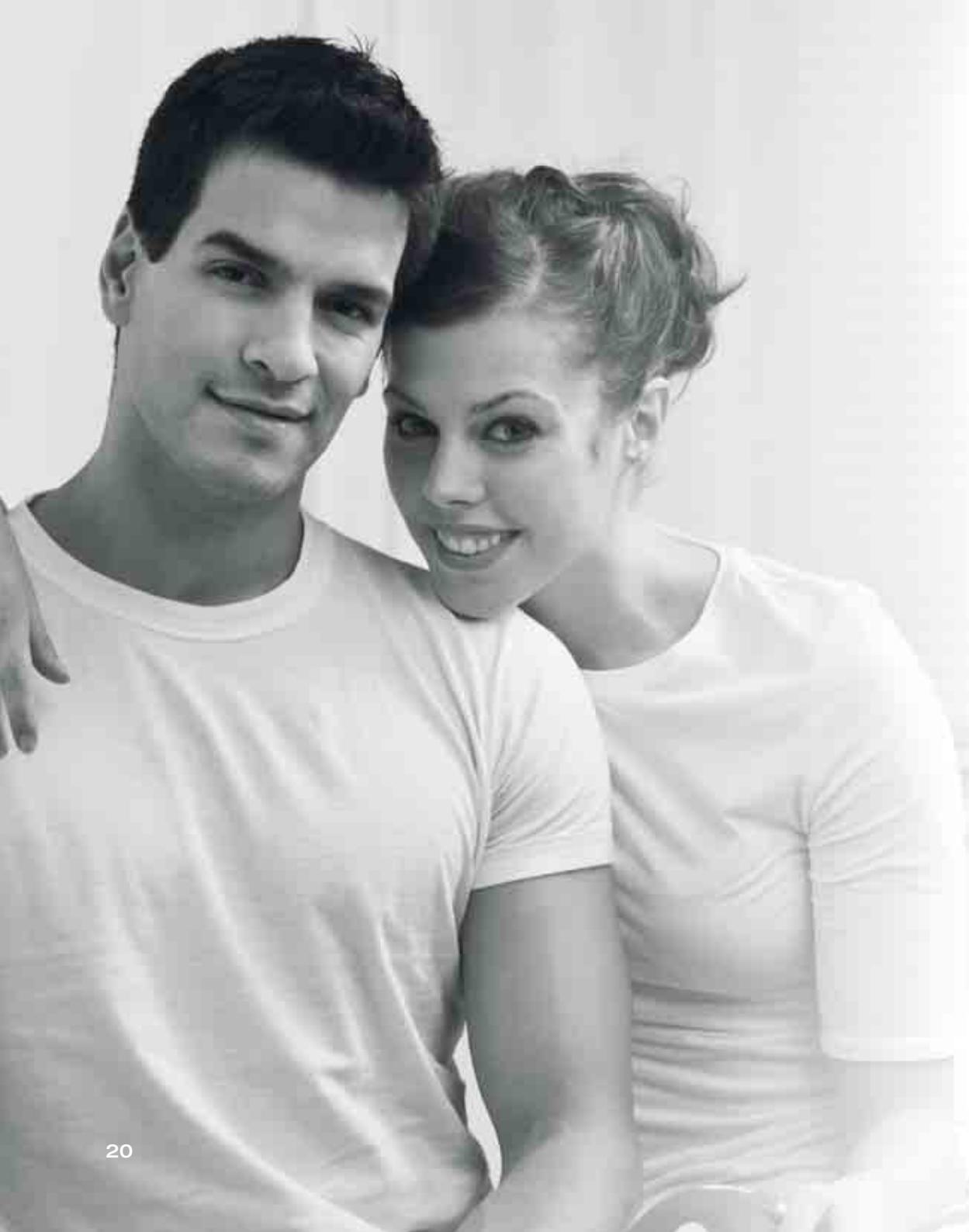
love is personal

Nothing is more individual than love. Cercon ceram love meets a primordial desire for individuality. To achieve maximum natural aesthetics, the effect materials from the Kiss concept are compatible and available.

Cercon ceram love not only offers you a large selection of custom effects but also attractive other options.

In addition to Flu Inside 1 and 2, there is now also another fluorescent dentine called Gray Inside (GI). Rather than enhancing the luminescence of the veneer, this material is capable of compensating for the effect of any framework contours in the incisal area.

The 3D philosophy extends the colour range slightly in the red direction. In addition to the neutral Transpa Clear, a special Transpa Red (TR) has therefore been developed, which provides a reddish transparency.

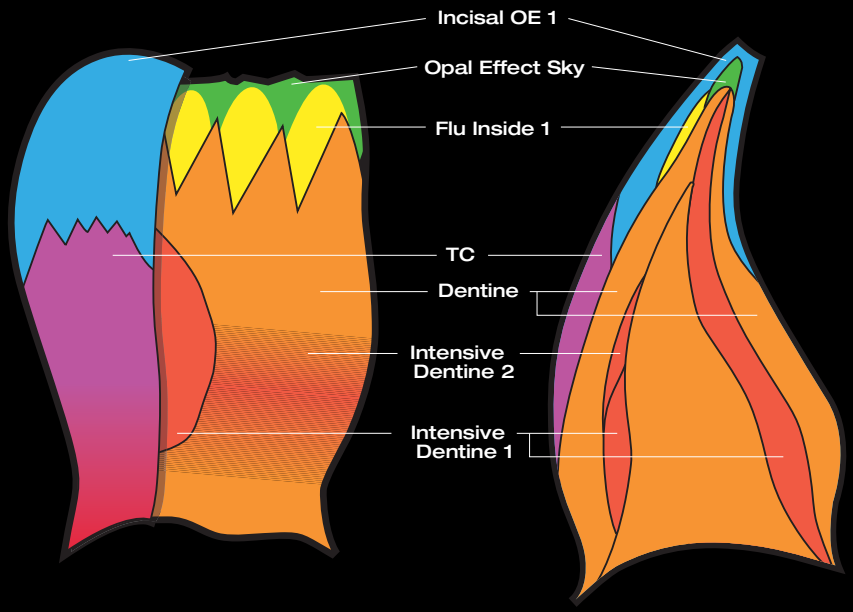


Young Aesthetics – Build-up technique

The shape and surface texture of young teeth is generally intact and nearly undamaged. Young teeth are characterized by pronounced horizontal and vertical profiles (“grooves“) on the labial surfaces. The shades are bright, and the teeth often feature mamelons and a pronounced bluish-transparent incisal space. The incisal edges show only minimal signs of abrasion.

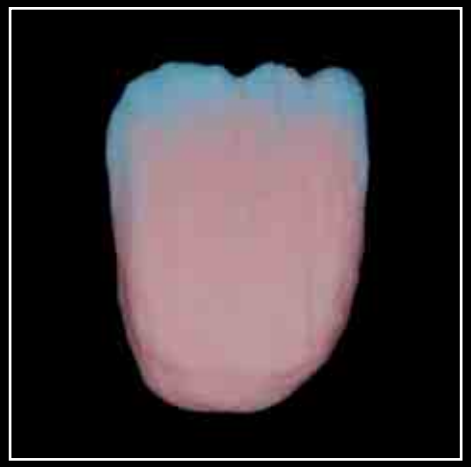
The Liner 1 and Liner 2 firings reliably define the basic shade of the crown.

Islands of Intensive Dentine 1 and 2 are applied.



The result

The completed crown



Dentine/incisal base layering

Mamelons are created with Flu Inside 1 and an incisal margin with Opal Effect Sky

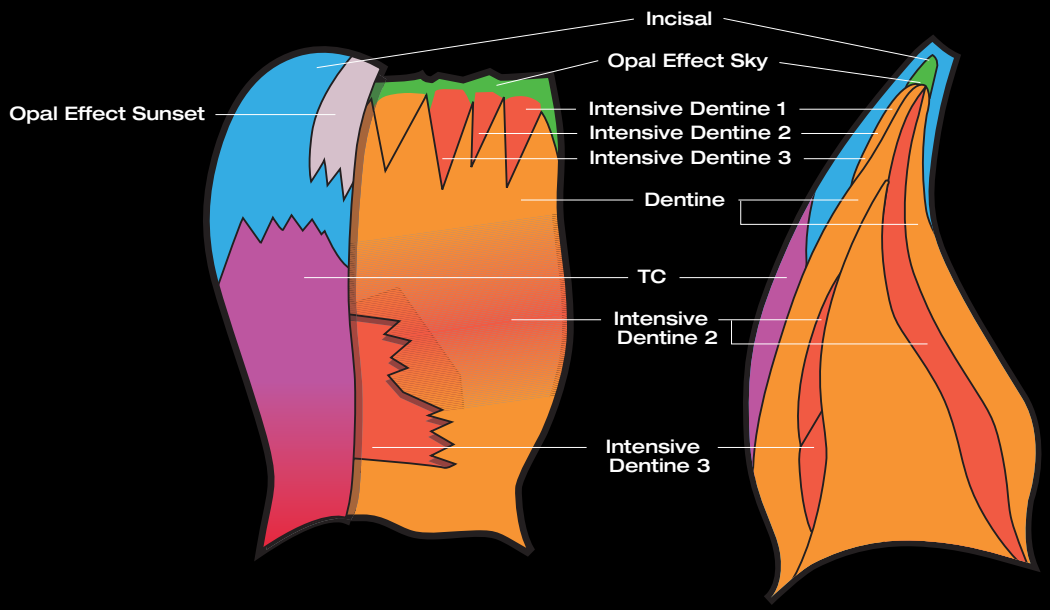
The crown shape is completed using Opal Incisal 1 and TC.

Middle Aesthetics – Build-up technique

The tooth shapes show initial signs of abrasion caused by years of daily function. The labial surface has been levelled and smoothed by constant use. The surface changes also change the way the tooth reflects light. The dentine shade becomes more dominant, and “warmer” tooth shades increasingly prevail. The chewing cycle leaves abrasion traces at the incisal edge, and the dentine, which is softer than the enamel, is partially exposed on the surface.

The Liner 1 and Liner 2 firings reliably define the basic shade of the crown.

Islands of Intensive Dentine 2 and 3 are applied.



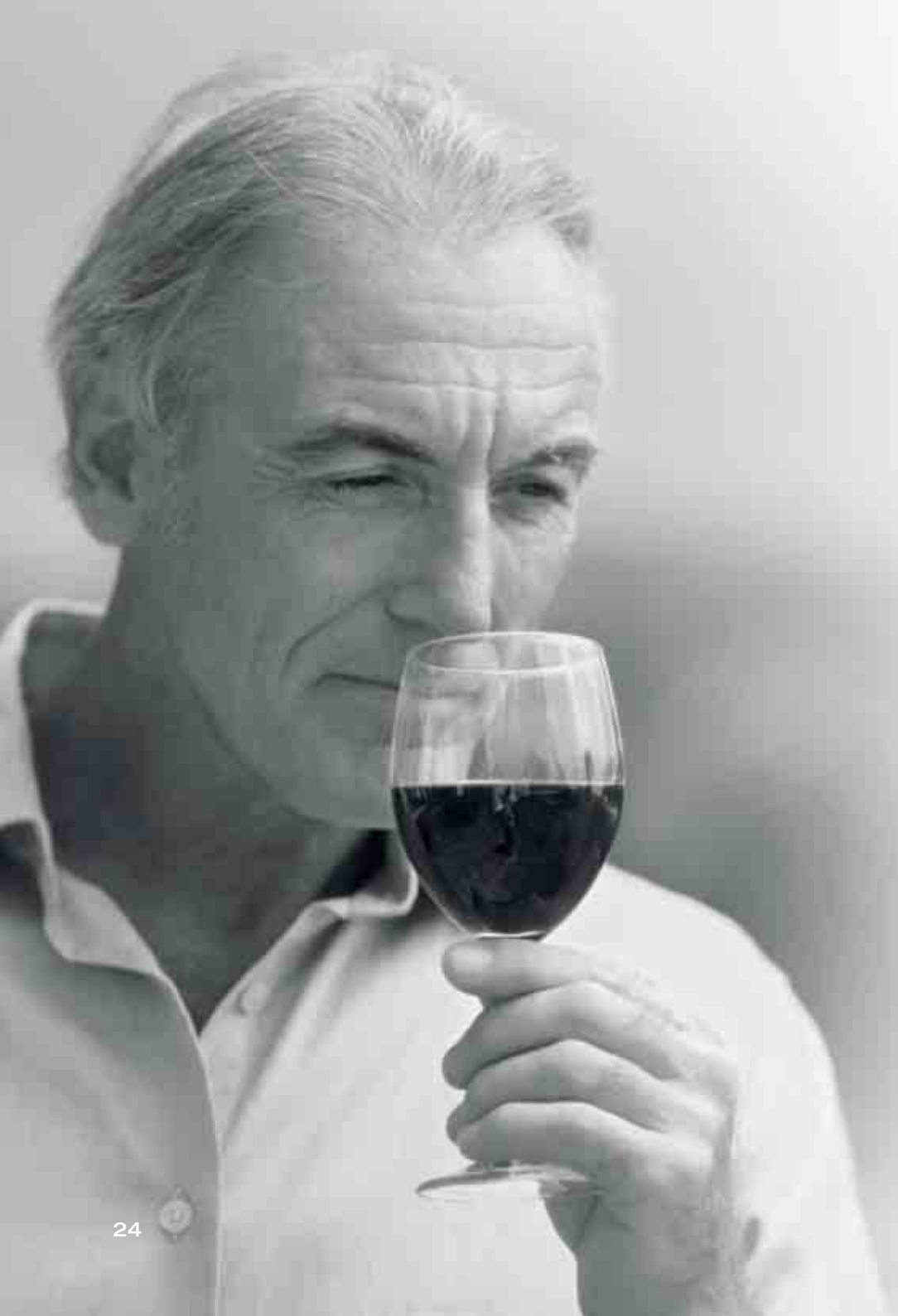
The result

The completed crown

Dentine/incisal
base layering

Intensive Dentines 1, 2 and 3 are built up in the incisal area. An incisal margin is created with Opal Effect Sky.

The crown shape is completed using Incisal and Opal Effect Sunset in the incisal area and TC in the dentine area.

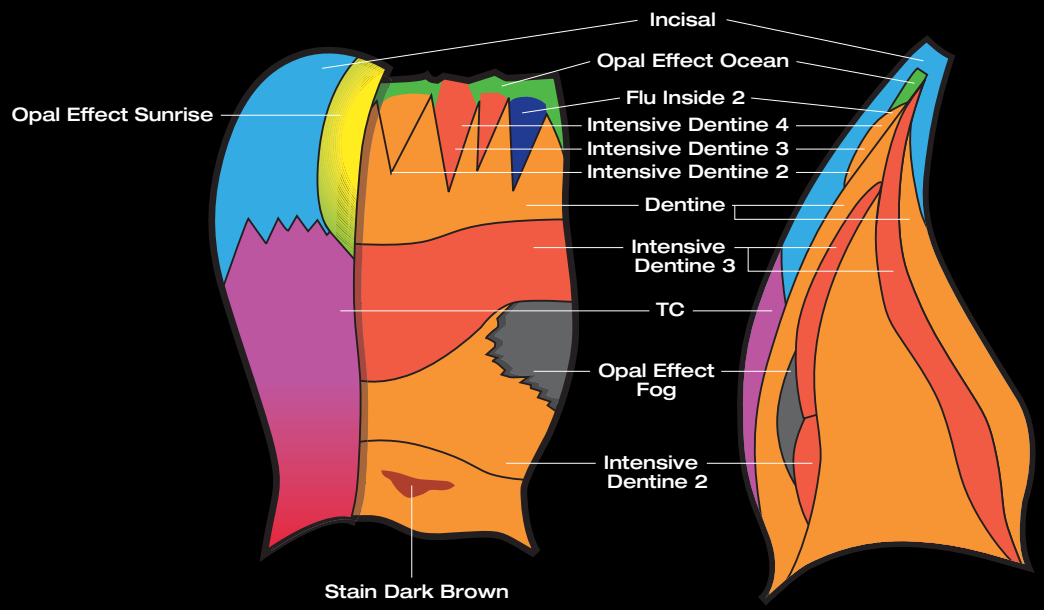


Elderly Aesthetics – Build-up technique

A lifetime of use creates numerous defects and abraded surfaces on older teeth, which has a profound influence on the shape and shade of the teeth. The surfaces have lost most of their texture and have become almost smooth. Increasing decalcification of the dentine and enamel areas creates more transparent areas, – almost as if you could look into the tooth. The shade of the dentine is warm and intense. In addition to expose root surfaces, enamel cracks, discolorations and extensive abrasion are typical characteristics of the older tooth.

The Liner 1 and Liner 2 firings reliably define the basic shade of the crown.

Islands of Intensive Dentine 1 and 2 and Opal Effect Fog are applied directly to the liner.



The result

The completed crown

Dentine/incisal base layering

Islands of Flu Inside 2 and Intensive Dentines 2, 3 and 4 are built up in the incisal area. The incisal margin is created from Opal Effect Ocean.

The crown shape is completed using Incisal and Opal Effect Sunrise in the incisal area and TC in the dentine area.

We are excited about **love**...

Whether in research and development or production and product management. We are all proud sponsors of the new generation of ceramic masses. We have given everything to develop and produce this unique love ceramic system for you.

We would love to see you just as excited. There are reasons enough to be excited not least the wonderful aesthetic result that you will achieve with this material. Whether it is the bottom-line benefits, the high level of safety and reliability or the perfect handling that makes everyday life easier for you. Your decision in favour of love would please us immensely. And maybe you will soon be just as excited about love as we are.

Your DeguDent Ceramics Team

love
all you need

Basic Kit

Aesthetic Kit

Stain Kit

Bleach Kit

love is tailor-made

The love concept implies reproducing a maximum of shades with a minimum of ceramic masses. A number of tailor-made individual love kits are available: The Basic kit, the Aesthetic kit, the Bleach kit and the Staining kit.

You decide how to start out with love - your love for ceramic veneers will be unlimited.

Basic Kit

13 x Paste Liner
24 x Dentine
3 x Incisal
1 x Transpa Clear
1 x Add-On
1 x Glaze

Aesthethic Kit

2 x Opal Incisal
5 x Shoulder
5 x Final Shoulder
5 x Opal Effect
1 x White Surface
2 x Flu Inside
1 x Gray Inside
1 x Stand by
4 x Intensive Dentine
2 x Gum Dentine
1 x Transpa Red
1 x Liner Gum
1 x Liner Intensive Orange

Stain Kit

9 x Stain
3 x Body Stain
1 x Glaze

Bleach Kit

2 x Liner Bleach
4 x Dentine Bleach
2 x Incisal Bleach
1 x Shoulder Bleach

The **love** system

Paste liners

13 x 3 ml PL 1 to PL 13
1 x 3 ml PL Bleach
1 x 3 ml PL Gum
1 x 3 ml PL Intensive Orange

Covers the framework. Causes the surface to self-seal.

Dentine

24 x 20 g / 75 g DE 1 to DE 24

Used for building ceramic restorations that emulate natural teeth. To avoid confusion, the materials are marked with organic pigments that disappear completely in the firing process.

Incisal

3 x 20 g / 75 g E 1 to E 3

For incisal build-up.

Transpa

1 x 20 g / 75 g TC
1 x 20 g / 75 g TR

For additional transparency on tooth surfaces. TranspaClear (TC) generates additional neutral transparency, while the new Transpa Red (TR) generates a reddish transparency.

Add-On

1 x 20 g / 75 g Add-On

Low-melting transparent Add-On mass for additional firings after glaze firing.

Stand-by

1 x 20 g / 75 g S BY

Stand-by (SB) is an opalescent multifunctional material for use by itself or for mixing.

White Surface

1 x 20 g WS

White opalescent incisal for superficially brighter shades or for highlighting posterior occlusal cusp surfaces as well as anterior palatal/lingual line angles. Can be attenuated using Stand-by.

Intensive Dentine

4 x 20 g / 75 g ID 0 to ID 4

Highly chromatic fluorescent intensive ceramic materials for increased and custom chroma in the cervical, palatal and occlusal regions. Attenuation with regular dentines is recommended. When mixed with Stand-by, they are also appropriate for mamelons.

Gum

2 x 20 g Gum 1 and Gum 2

Gum-coloured ceramics for gingival replication.

Bleach

4 x 20 g BL 1 to BL 4

Significantly brighter and whiter than A1, to be used predominantly in patients with bleached natural teeth.

Opal Incisal

2 x 20 g / 75 g OE 1 to OE 2

Opalescent incisal for replicating the opalescent impression of natural enamel.

Opal Effect

5 x 20 g / 75 g OE Ocean, Sky, Fog, Sunset, Sunrise

For customizing the incisal third. Can be attenuated using Stand-by.

Gray Inside

1 x 20 g GI

In addition to Flu Inside 1 and 2, there is now also another fluorescent dentine called Gray Inside (GI). Rather than enhancing the luminescence of the veneer, this material is capable of compensating for the effect of any framework contours in the incisal area.

Flu Inside

2 x 20 g Flu 1 and Flu 2

Fluorescent dentines (used e.g. as modifiers for dentine mamelons). They increase the luminescence of the veneer. Short-wave invisible light is absorbed, long-wave visible light is emitted.

Shoulder

5 x 20 g SM 1 to SM 5

For all-ceramic crown margins.

Final Shoulder

5 x 20 g FSM 1 to FSM 5

Shoulder mass for corrections that may become necessary after glaze firing.

Shade and stain combination tables

VITA Classic	Liner I Dentine I Incisal	ID I Opal I Flu I SM
A1	2 I 2 I 1	0+1 I 1 I 1 I 1
A2	3 I 3 I 2	0+4 I 1 I 1 I 2
A3	6 I 9 I 2	1+2 I 1+2 I 1+2 I 2+4
A3,5	12 I 16 I 2	1+4 I 1+2 I 1+2 I 3+4
A4	12 I 21 I 3	3+4 I 2 I 2 I 4
B1	1 I 2 I 1	0 I 1 I 1 I 1
B2	4 I 4 I 1	0+4 I 1 I 1 I 1+4
B3	5 I 8 I 2	1+2 I 1+2 I 1+2 I 3+4
B4	8 I 14 I 2	2+4 I 2 I 2 I 4
C1	7 I 7 I 1	0+4 I 2 I 2 I 1
C2	11 I 17 I 3	1+4 I 2 I 2 I 4
C3	11 I 19 I 3	2+4 I 2 I 2 I 4
C4	13 I 22 I 3	2+4 I 2 I 2 I 4
D2	7 I 13 I 2	2+4 I 1+2 I 2 I 1+4
D3	11 I 15 I 2	2+4 I 1+2 I 1+2 I 2+4
D4	10 I 17 I 3	2+4 I 2 I 2 I 4

Combinations or liners, dentines and incisals for reliable reproduction of the V-Classic and V-3D shades.

Application of the ID, Opal, Flu and SM effects for custom build-ups.

The various materials can also be assigned using the love shade wheel.

VITA 3D-Master	Liner I Dentine I Incisal	ID I Opal I Flu I SM
1M1	2 I 1+2 I 1	0 I 1 I 1 I 1
1M2	2 I 1+6 I 2	0+1 I 1 I 1 I 1
2L1.5	4 I 7 I 1	1+4 I 1+2 I 1+2 I 1+4
2L2.5	4 I 6+8 I 1	1+4 I 1+2 I 1+2 I 1+4
2M1	2 I 2 I 1	0+4 I 1 I 1+2 I 1
2M2	4 I 12 I 1	2+4 I 1+2 I 1+2 I 1+4
2M3	4 I 6+8 I 2	2+4 I 1+2 I 1+2 I 3+4
2R1.5	7 I 4 I 1	2+4 I 1+2 I 1+2 I 1+4
2R2.5	6 I 6+9 I 2	2+4 I 1+2 I 2 I 2
3L1.5	4 I 18 I 3	2+4 I 1+2 I 2 I 4
3L2.5	5 I 8 I 2	2+4 I 2 I 2 I 3+4
3M1	7 I 13 I 3	2+4 I 1+2 I 2 I 1+4
3M2	9 I 6 I 3	2+4 I 1+2 I 1+2 I 2+4
3M3	8 I 14 I 2	2+4 I 2 I 2 I 4
3R1.5	11 I 15 I 2	3+4 I 2 I 2 I 2
3R2.5	10 I 16 I 2	3+4 I 2 I 2 I 3+4
4L1.5	11 I 19 I 3	1+4 I 2 I 2 I 4
4L2.5	11 I 6+23 I 3	1+4 I 2 I 2 I 4
4M1	9 I 11+20 I 3	0+4 I 2 I 2 I 4
4M2	12 I 21 I 3	3+4 I 2 I 2 I 2+4
4M3	11 I 14+23 I 3	3+4 I 2 I 2 I 3+4
4R1.5	11 I 11+22 I 3	3+4 I 2 I 2 I 4
4R2.5	12 I 5+23 I 3	3+4 I 2 I 2 I 4+5
5M1	13 I 24 I 3	1+4 I 2 I 2 I 4
5M2	11 I 20+23 I 3	3+4 I 2 I 2 I 4
5M3	12 I 10+23 I 3	3+4 I 2 I 2 I 4+5

Firing tables

Firing program General*	Pre-heating °C	Drying min.	Heating °C/min.	Firing °C	Holding min.	Vacuum (hPa)	Cooling min.
Paste Liner 1	575	9:00	55	970	1:00	50	–
Paste Liner 2	575	9:00	55	960	1:00	50	–
Shoulder 1	450	6:00	55	950	2:00	50	–
Shoulder 2	450	6:00	55	950	1:00	50	–
Dentine 1	450	5:00	55	900	1:30	50	–
Dentine 2	450	5:00	55	890	1:30	50	–
Glanze	450	5:00	55	880	1:00	–	6:00
Final Love Add-On	450	5:00	55	760	1:00	50	6:00
Final Shoulder	450	5:00	55	760	1:00	50	6:00

Slow cooling is mandatory after the last firing; this includes correction firings of restorations after try-in.

* The values listed here are intended for orientation only and should be regarded only as guidelines. Your firing results may differ. All firing results depend on the performance of the furnace used, which in turn depends on the make, model and age of the furnace. Therefore, the guideline values will have to be adapted individually for each firing. We recommend running a test firing cycle to evaluate the performance of the furnace used. We have compiled and checked all values and other data with great care. However, we cannot under any circumstances be liable for your results.

For all firing tables: The firing temperature must be adjusted to the number of units fired. Five to ten units require an increase by 5°C to 10°C; more than ten units require an increase by 10°C to 20°C.

Firing program Multimat Touch & Press*	Pre-heating		Drying	Heating	Firing		Vacuum		Cooling
	°C	min.	min.	°C/min.	°C	min.	(hPa)	min.	Level
Paste Liner 1	575	4:00	7:00	55	970	2:00	50	1:00	–
Paste Liner 2	575	4:00	7:00	55	960	2:00	50	1:00	–
Shoulder 1	450	4:00	5:00	55	950	3:00	50	1:00	–
Shoulder 2	450	4:00	5:00	55	950	2:00	50	1:00	–
Dentine 1	450	4:00	3:00	55	900	2:30	50	1:30	–
Dentine 2	450	4:00	3:00	55	890	2:30	50	1:30	–
Glaze	450	3:00	2:00	55	880	2:00	–	0:00	1
Final Love Add-On	450	4:00	2:00	55	750	2:00	50	1:00	1
Final Shoulder	450	4:00	2:00	55	750	2:00	50	1:00	1

Firing program Multimat MC II/Mach 2*	Pre-heating		Drying	Heating	Firing		Vacuum		Cooling
	°C	min.	min.	°C/min.	°C	min.	(hPa)	min.	Level
Paste Liner 1	575	4:00	7:00	55	970	2:00	50	1:00	–
Paste Liner 2	575	4:00	7:00	55	960	2:00	50	1:00	–
Shoulder 1	450	4:00	5:00	55	950	3:00	50	1:00	–
Shoulder 2	450	4:00	5:00	55	950	2:00	50	1:00	–
Dentine 1	450	4:00	3:00	55	900	2:50	50	1:50	–
Dentine 2	450	4:00	3:00	55	890	2:50	50	1:50	–
Glaze	450	3:00	2:00	55	880	1:00 – 2:00	–	0:00	2
Final Love Add-On	450	4:00	2:00	55	750	2:00	50	1:00	2
Final Shoulder	450	4:00	2:00	55	750	2:00	50	1:00	2

* The values listed here are intended for orientation only and should be regarded only as guidelines. Your firing results may differ. All firing results depend on the performance of the furnace used, which in turn depends on the make, model and age of the furnace. Therefore, the guideline values will have to be adapted individually for each firing. We recommend running a test firing cycle to evaluate the performance of the furnace used. We have compiled and checked all values and other data with great care. However, we cannot under any circumstances be liable for your results.

Firing program Cergo Compact/Press*	Drying		Closing	Pre-heating		Vacuum			Heating	Firing	Vacuum	Holding	Cooling
	°C	min.	min.	°C	min.	cont./off	On	Off	°C/min.	°C	min.	min.	min.
Paste Liner 1	135	6:00	2:00	575	3:00	cont.	575	970	55	970	0:00	1:00	0:00
Paste Liner 2	135	6:00	2:00	575	3:00	cont.	575	960	55	960	0:00	1:00	0:00
Shoulder 1	135	3:00	3:00	450	3:00	cont.	450	950	55	950	0:00	2:00	0:00
Shoulder 2	135	3:00	3:00	450	3:00	cont.	450	950	55	950	0:00	1:00	0:00
Dentine 1	135	2:00	3:00	450	3:00	cont.	450	900	55	900	0:00	1:30	0:00
Dentine 2	135	2:00	3:00	450	3:00	cont.	450	890	55	890	0:00	1:30	0:00
Glaze	135	2:00	3:00	450	3:00	off	–	–	55	880	0:00	1:00	6:00
Final Love Add-On	135	2:00	3:00	450	3:00	cont.	450	750	55	750	0:00	1:00	6:00
Final Shoulder	135	2:00	3:00	450	3:00	cont.	450	750	55	750	0:00	1:00	6:00

Firing program Pro Fire*	Drying		Closing	Pre-heating		Vacuum			Heating	Firing	Vacuum	Holding	Tempering		Cooling
	°C	min.	min.	°C	min.	cont./off	On	Off	°C/min.	°C	min.	min.	°C	min.	min.
Paste Liner 1	135	6:00	2:00	575	3:00	cont.	575	970	55	970	0:00	1:00	0	0:00	0:00
Paste Liner 2	135	6:00	2:00	575	3:00	cont.	575	960	55	960	0:00	1:00	0	0:00	0:00
Shoulder 1	135	3:00	3:00	450	3:00	cont.	450	950	55	950	0:00	2:00	0	0:00	0:00
Shoulder 2	135	3:00	3:00	450	3:00	cont.	450	950	55	950	0:00	1:00	0	0:00	0:00
Dentine 1	135	2:00	3:00	450	3:00	cont.	450	900	55	900	0:00	1:30	0	0:00	0:00
Dentine 2	135	2:00	3:00	450	3:00	cont.	450	890	55	890	0:00	1:30	0	0:00	0:00
Glaze	135	2:00	3:00	450	3:00	off	–	–	55	880	0:00	1:00	0	0:00	6:00
Final Love Add-On	135	2:00	3:00	450	3:00	cont.	450	750	55	750	0:00	1:00	0	0:00	6:00
Final Shoulder	135	2:00	3:00	450	3:00	cont.	450	750	55	750	0:00	1:00	0	0:00	6:00

Slow cooling is mandatory after the last firing; this includes correction firings of restorations after try-in.

For all firing tables: The firing temperature must be adjusted to the number of units fired. Five to ten units require an increase by 5°C to 10°C; more than ten units require an increase by 10°C to 20°C.

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