

Instructions for use

# esthetic.line

Livento® press

Soprano® 10



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# Product description

## Product name

Pressed ceramic: Livento® press  
Veneer ceramic: Soprano® 10

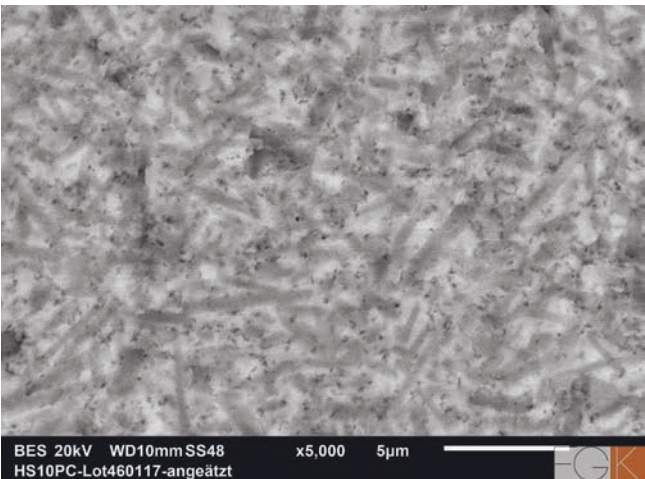
## Livento® press

Livento® press is a lithium disilicate glass ceramic ingot for the press technique.

Due to state-of-the-art manufacturing technology, Livento® press offers a homogeneous structure, high strength with outstanding fit and colour-stability, even after multiple firing. The resulting restorations display true to life aesthetics.

| Livento® press                          |  |
|---|--|
| Bending strength (MPa) <sup>2</sup>     | 400+/-50 MPa   |
| Transformation temperature <sup>2</sup> | 520 °C   |
| CTE (-500 °C) <sup>2</sup>              | 10 × 10 <sup>-6</sup> × K <sup>-1</sup> (pressed)  |
| Classification <sup>2</sup>             | Type: 2<br>Class: 3a   |
| Chemical composition                    | Major components solidly integrated into the network of the glass ceramic include:<br>SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Li <sub>2</sub> O, P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O, CaO and B <sub>2</sub> O <sub>3</sub> |

The shades of the ingots are based on the VITA Classic shade system<sup>1</sup>, shade scale A, B, C and D.



## Press ingot

One ingot size up to max. 0.9 g wax weight  
Diameter: 13 mm



<sup>1</sup> VITA is a registered trademark of VITA Zahnfabrik H. Rauter GmbH & Co. KG, Bad Säckingen, Deutschland.

<sup>2</sup> According to DIN EN ISO 6872:2015

| The Livento® press ingot concept |  | Processing      Indications |                                       |                 |        |                 |                      |       |       |               |                      |                       |   |                       |
|----------------------------------|--|-----------------------------|---------------------------------------|-----------------|--------|-----------------|----------------------|-------|-------|---------------|----------------------|-----------------------|---|-----------------------|
| Pellet range                     | Description<br>Characterisation  | Staining                    | Reduced layer technique<br>(cut-back) | Layer technique | Veneer | Veneer occlusal | Thin veneer (0.3 mm) | Inlay | Onlay | Partial crown | Anterior tooth crown | Posterior tooth crown | Bridge (max. 3-units),<br>Premolar area | Hybrid abutment crown |
| Bleach                           | Medium transparency in four bleach shades. Bleach 1 with the highest brightness, Bleach 4 with the highest chroma.               | ■                           | ■                                     | ■               | ■      | ■               | ■                    | ■     | ■     | ■             | ■                    | ■                     | ■                                       | –                     |
| ET                               | Comes closest to natural enamel transparency. Particularly suited for additional veneers.  | ■                           | ■                                     | –               | ■      | ■               | ■                    | ■     | ■     | ■             | –                    | –                     | –                                       | –                     |
| MT                               | Pronounced medium transparency. Comes closest to natural dentine.  | ■                           | ■                                     | ■               | ■      | ■               | ■                    | ■     | ■     | ■             | ■                    | ■                     | ■                                       | ■                     |
| LT                               | Low transparency with high brightness and a medium degree of opacity. Particularly suited for a thickness from 0.7 mm.           | ■ <sup>3</sup>              | ■                                     | ■               | –      | –               | –                    | –     | –     | ■             | ■                    | ■                     | ■                                       | ■                     |
| HO                               | High opacity. Provides excellent coverage, even at low layer thicknesses. Particularly suited as framework material.             | –                           | ■                                     | ■               | –      | –               | –                    | –     | –     | –             | ■                    | ■                     | ■                                       | ■                     |
| Opal                             | Comes closest to natural enamel transparency. With outstanding opalescent properties. Particularly suited as additional veneers. | ■                           | ■                                     | –               | ■      | ■               | ■                    | ■     | ■     | ■             | –                    | –                     | –                                       | –                     |

■ Ideal application  
 ■ Possible application

### Soprano® 10

Soprano® 10 is a silicate glass ceramic and developed for veneering Livento® lithium disilicate glass ceramic and zirconium oxide. The portfolio includes a balanced manageable range of different ceramic materials such as Margin, Frame Modifier, Opal, Dentine, Opaque Dentine, Enamel and Effect Materials. The ceramic shades are based on the VITA Classic shade system<sup>4</sup>, shade scale A, B, C and D.

The ceramic displays a thixotropic behaviour, i.e. Soprano® 10 remains viscous during processing and remains stable after completion of modelling. This allows precise and time-saving modelling. The materials continue to display high brightness and colour-stability even after multiple firing processes.

<sup>3</sup> Only for posterior teeth from the second premolar onwards

<sup>4</sup> VITA is a registered trademark of VITA Zahnfabrik H. Rauter GmbH & Co. KG, Bad Säckingen, Deutschland.

| <b>Soprano® 10</b>                                    |  |
|---|--|
| Transformation temperature <sup>5</sup>               | 500 °C   |
| CTE (–500 °C) <sup>5</sup><br>(after 2 and 4 firings) | $9 \times 10^{-6} \text{K}^{-1}$   |
| Classification <sup>5</sup>                           | Type: 1<br>Class: 1b   |
| Chemical composition                                  | Major components solidly integrated into the network of the glass ceramic include: $\text{SiO}_2$ , $\text{Al}_2\text{O}_3$ , $\text{K}_2\text{O}$ , $\text{Na}_2\text{O}$ , $\text{CaO}$ , $\text{B}_2\text{O}_3$ |



| <b>Characteristics</b>  |   |
|-------------------------|---|
| <b>Ceramic material</b> | <b>Description</b>  |
| Frame Modifier          | Highly fluorescent. Optimises the bond of veneer ceramic on zirconium oxide.<br>⚠ Use special frame liquid (red liquid)!<br>Do not use with Livento® press.   |
| Margin                  | Tooth-coloured shoulder material for zirconium oxide veneers.<br>High opacity and fluorescence for increased depth effect.<br>⚠ Use normal modelling liquids.<br>Do not use with Livento® press.  |
| Opaque dentine          | Opacity level is approx. 90%. Covers extremely well.<br>Available in the respective tooth shades.   |
| Dentine                 | Opacity level is approx. 70%. Natural light refraction.<br>Material in red identification colour.   |
| Enamel                  | Very similar to natural enamel, with an opacity of around 50%.<br>Material in blue identification colour.   |
| Enamel Effect           | Is not colour-specific and can be used for all tooth shades, depending on the desired effects.  |
| Enamel Effect Enhancer  | Semi-transparent material for mixing with Enamel and Enamel Effect.   |
| Opal                    | Natural opalescence in four stages and hazes.   |
| Opal Effect             | Natural opalescence, more transparent than Opal material.<br>Special to the range is the Clear material.  |
| Fossa, Cuspid           | For accenting white cusps and orange fissures   |
| Mamelon                 | Can be mixed with all ceramic materials.<br>Characterization of the mamelon structure in the incisal area.  |
| Flu-Shade               | Highly fluorescent stain corresponding to the base colour for use as framework colour or glazing colour.<br>Universal stain for all ceramics.<br>⚠ Can only be used superficially for high melting ceramics.<br>Mix colour paste well before use! |
| Flu-Stain               | Highly fluorescent stain.<br>Universal stain for all ceramics.<br>⚠ Can only be used superficially for high melting ceramics.<br>Mix colour paste well before use!  |

<sup>5</sup> According to DIN EN ISO 6872:2015

# General information

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For the exact specifications of Livento® press and Soprano® 10, please refer to the material data sheet and the safety data sheet. You will find the data sheets mentioned free of charge at [www.cmsa.ch](http://www.cmsa.ch).



Important information for the specialist/observe instructions for use.



Warning symbol for increased caution.

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## Intended use

The intended use for Livento® press is for permanent crowns and bridges.

The intended use of Soprano® 10 is as veneer material for crowns and bridges on lithium disilicate and zirconium oxide frameworks.

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## Disposal

Livento® press and Soprano® 10 waste can be disposed of with normal household refuse.

# Instructions for use

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## Indications

- Veneers
- Inlays and onlays
- Partial crowns
- Anterior and posterior tooth crowns
- Hybrid abutment crown
- 3-pontic bridge in anterior tooth region
- 3-pontic bridge in the premolar region up to max. 2<sup>nd</sup> premolar as a permanent abutment

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## Contraindications

- Bruxism and parafunctions
- Free-end bridges and extension pontics
- 3-pontic bridge in molar region
- Patients with profoundly reduced residual dentition
- Falling below the necessary connector and minimum strengths
- Combination with materials outside the described Livento® press/Soprano® 10 product system and/or with materials from third party suppliers
- As a matter of principle, all indications not listed are to be regarded as contraindications.

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## Warnings

Please carefully read instructions for use before commencing work with this material. The manufacturing work must be carried out by qualified specialists.

For information and additional details, please contact your Cendres+Métaux representative.

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## Preventive measures

When grinding Livento® press and Soprano® 10 wear protective goggles with a dust mask and use a suction unit.

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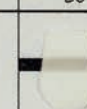















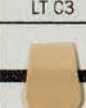
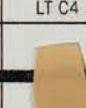

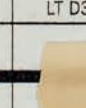
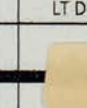



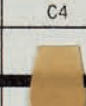

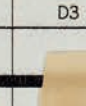
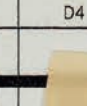
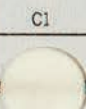







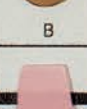







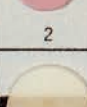
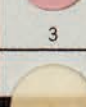


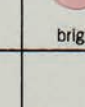
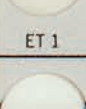
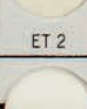
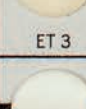
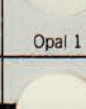

## Side effects

No known side effects if used as intended.



# Introduction to processing

Shade table

|             |                |   |   |   |   |   |   |   |   |   |  |   |
|-------------|----------------|---|---|---|---|---|---|---|---|---|--|---|
| Shade A-B   | Press Ingot    |    |    |    |    |    |    |    |    |    |   |   |
|             |                | LT A0   | LT A1   | LT A2   | LT A3   | LT A3,5   | LT A4   | LT B1   | LT B2   | LT B3   | LT B4  |   |
|             | Opaque Dentine |    |    |    |    |    |    |    |    |    |   |   |
|             |                | A0  | A1  | A2  | A3  | A3,5  | A4  | B0  | B1  | B2  | B3   |   |
|             | Dentine        |    |    |    |    |    |    |    |    |    |   |   |
|             |                | A0  | A1  | A2  | A3  | A3,5  | A4  | B0  | B1  | B2  | B3   |   |
|             | Enamel         |    |    |    |    |    | Enamel effect   |   |    |    |   |  |
|             |                | E1  | E2  | E3  | E4  | Clear   |   |   | clear-white   | sun   | apricot  | amber   |
| Shade C-D   | Press Ingot    |   |   |   |   |   |   |   |   |   |  |   |
|             |                | LT C1   | LT C2   | LT C3   | LT C4   | LT D2   | LT D3   | LT D4   | MT C1   | MT C2   | MT D2  |   |
|             | Opaque Dentine |  |  |  |  |  |  |  |   |   |  |   |
|             |                | C1  | C2  | C3  | C4  | D2  | D3  | D4  |   |   |  |   |
|             | Dentine        |  |  |  |  |  |  |  |   |   |  |   |
|             |                | C1  | C2  | C3  | C4  | D2  | D3  | D4  |   |   |  |   |
| Stain&Glaze | Press Ingot    |  |  |  |   |   |   |   |   |   |  |   |
|             |                | MT A1   | MT A2   | MT B2   |   |   |   |   |   |   |  |   |
|             | Flu-Shade      |  |  |  |  |   |   |   |   |   |  |   |
|             |                | A   | B   | C   | D   |   |   |   |   |   |  |   |
| Gingiva     | Gingiva        |  |  |  |  |  |  |  |  |   |  |   |
|             |                | 1   | 2   | 3   | 4   | 5   | violet  | dark  | bright  |   |  |   |
| Advanced    | Press Ingot    |  |  |  |  |  |   |   | Enamel  |  | Enamel effect Enhancer   |   |
|             |                | ET 1  | ET 2  | ET 3  | Opal 1  | Opal 2  |   |   | Enamel  | EO  |  |   |
| Bleaching   | Press Ingot    |  |  |  |  |   |   | Opaque Dentine  |  |   | Enamel   |   |
|             |                | Bleach 1  | Bleach 2  | Bleach 3  | Bleach 4  |   |   | Opaque Dentine  |   |   | Enamel   |   |



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### Preparation notes

- In principle: anatomically reduced tooth shape
- Step preparation with rounded inner edge or preparation of a chamfer
- Generally avoid edges and corners in the preparation
- Depending on the indication, only remove so much hard tooth substance to allow remaining within the following minimal wall thicknesses, the connector cross-sections for bridges and the maximum widths of the pontics.

### Minimum thickness layer

| Overview on the minimum wall thicknesses (in mm) and connector cross-sections (in mm <sup>2</sup> ) |                  |         |       |       |               |                            |                       |                                       |   |
|---|------------------|---------|-------|-------|---------------|----------------------------|-----------------------|---------------------------------------|---|
| Processing technique  |                  | Veneer  | Inlay | Onlay | Partial crown | Anterior tooth crown       | Posterior tooth crown | Anterior tooth bridge (max. 3-pontic) | Posterior bridge (max. 3-pontic), Premolar area |
| Staining technique  | circular         | 0.3–0.6 | 1.0   | 1.5   | 1.5           | 1.2                        | 1.5                   | 1.2                                   | 1.5   |
|   | incisal/occlusal | 0.4–0.7 | 1.0   | 1.5   | 0.8           | 1.5                        | 1.5                   | 1.5                                   | 1.5   |
| Reduced layer technique   | circular         | 0.5     | –     | 1.5   | 1.5           | 1.2                        | 1.5                   | 1.2                                   | 1.5   |
|   | labial/occlusal  | 0.4     | –     | 0.8   | 0.8           | 0.4                        | 0.8                   | 0.8                                   | 0.8   |
| Layer technique   | circular         | –       | –     | –     | –             | 0.6                        | 0.8                   | 0.8                                   | 0.8   |
|   | incisal/occlusal | –       | –     | –     | –             | 0.6                        | 0.8                   | 0.8                                   | 0.8   |
|   | Principle        | –       | –     | –     | –             | Supporting tooth/cusp form |                       |                                       |   |
| Maximum width of bridge pontic  |                  |         |       |       |               |                            |                       | 11                                    | 9   |
| Connector cross-sections  |                  |         |       |       |               |                            |                       | 16                                    | 16  |



At least 50% of the entire wall thickness must be made up of the high-strength pressed ceramic Livento® press!



### Model preparation

The master model is created as usual.

In the case of plaster models it is useful to first harden the surface with a sealer without a change in volume.

Then the spacer is applied in several layers depending on the preparation. In the case of veneers, partial crowns and crowns, apply the spacer in two layers up to a maximum of 1 mm to the preparation margin. In the case of inlays and onlays, apply up to three layers to a maximum of 1 mm above the cavity base.

### Waxing

Model the restoration according to the criteria described in points 5.2 and 5.3 with a residue-free burning wax (ash-free) as per desired processing technique (layer, cut-back or stain technique). Special attention is to be paid to the preparation margin: do not over-build to avoid time-consuming finishing after pressing.



Example of a fully anatomically modelled anterior tooth crown



Example of a reduced modelled anterior tooth crown

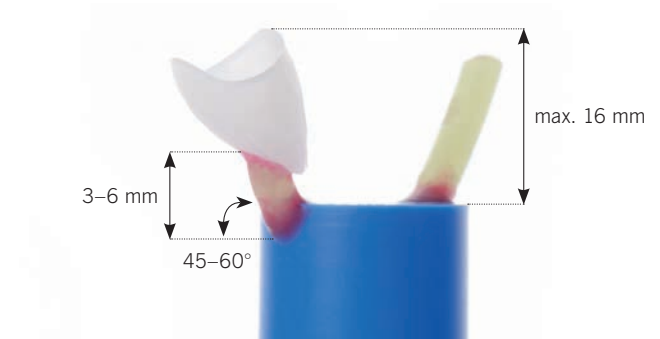


Example of a reduced modelled anterior tooth bridge

### Sprueing

#### Tip

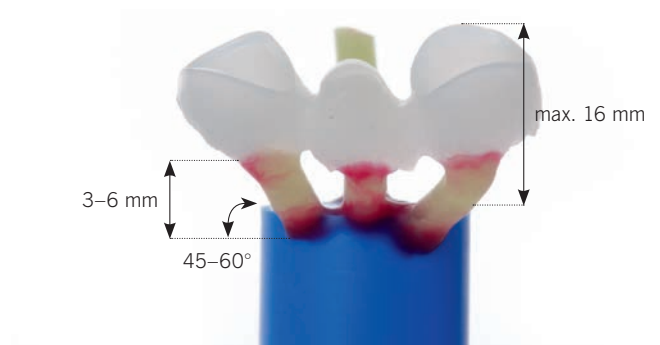
When sprueing one crown only, fit a pressure compensation channel!



Crown

#### Tip

When sprueing one bridge only, fit a pressure compensation channel!



Bridge

#### Tip

When sprueing one hybrid abutment crown only, fit a pressure compensation channel!



Invest without abutment!



Hybrid abutment crown

| Information on sprueing                        |   |
|--|---|
| Press plunger                                  | Diameter 13 mm<br>Liventor <sup>®</sup> press (Cendres+Métaux SA)<br>Disposable press plunger, article no. 08055017   |
| Mould systems                                  | Can be processed with all conventional 13-mm mould systems.   |
| Size of the investment ring                    | 100 g, 200 g or 300 g<br><b>Recommendation:</b> press in an investment ring 200 g or 300 g to reduce the risk of cracks or chips of the investment material. Furthermore, this improves temperature retention and increases the precision of the fit. |
| Diameter of the wax wire                       | 2.5–4 mm  |
| Length of press channel (wax wire)             | 3–6 mm  |
| Sprue point at the object                      | At the thickest part of the object  |
| Sprue angle to the object                      | Axial in pressing direction   |
| Sprue angle to investment ring base            | 45–60°  |
| Design of sprueing points                      | Trumpet shape, without edges and angles   |
| Distance between various objects               | At least 3 mm   |
| Distance to margin of investment ring          | At least 10 mm  |
| Overall length of wax object and press channel | Maximum 16 mm   |
| Object position in investment ring             | In general, the cervical edges of the waxing face towards the centre.   |
| Pressure compensation channel                  | <b>Recommendation:</b> when pressing single objects (crown or bridge!) 180° opposite to the object, in the length of the object   |
| Sprued angle for the hybrid abutment crown     | Position of the screw channel parallel to the press stamp   |

## Investing

Investing can be performed with either the fast pressing technique (speed technique) as well as the conventional preheating technique.

Please weigh the wax object including the pressing channel to avoid pressing with too little material. This can either be done by determining the difference between the unloaded and loaded investment ring or by weighing the wax objects including the wax wire.

- Up to maximum 0.9 g wax weight: 1 press blank
- Up to maximum 1.9 g wax weight: 2 press blanks

| Investment material Livento <sup>®</sup> invest |   |
|---|---|
| Manufacturer                                    | Cendres+Métaux SA, Switzerland  |
| Article No.                                     | 08055014 (pack with 50 × 100-g bags)<br>083739 (1 litre liquid concentrate) |

## Description

- Special investment material for lithium disilicate and other pressable ceramics
- The fabrication of a refractory die is also possible.

## Mixing ratio

Mixing ratio 26 ml liquid: 100 g powder

## Concentrate mixtures

|         |   |
|---------|---|
| 40–60 % | Expansion fluid for inlays, onlays, depending on preparation and size |
| 60–70 % | Expansion fluid for single crowns                                     |
| 70–85 % | Expansion fluid for posterior and anterior tooth bridges              |
| 100 %   | Expansion fluid for refractory stumps                                 |

Please note: The higher the amount of concentrate in the liquid, the higher the expansion values.



Observe the manufacturer's instruction for use enclosed in the packaging for correct processing of the investment material and the timing instructions!

---

Set model vibrator to the minimum setting. Fill material carefully but progressively to the rim of the ring former.



Then fill the ring former carefully bubble-free until it is covered completely.



Once the object is covered, switch off the shaker and fill the investment ring up to the marking with the remaining investment material.





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Slightly push out the silicone rim of the investment ring, place the ring lid and rotate once clockwise by 180° (elimination of bubbles).



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### Preheating

Check temperature precision of the burnout furnace regularly.



Please follow the manufacturer's work instructions.

After setting of the investment material according to manufacturer's indications, the investment ring is prepared for preheating.

1. Carefully turn and remove the investment ring.
2. Carefully turn and remove the investment ring base, too.
3. Remove rough spots dry with a plaster knife or a belt grinder.
4. Please make sure that no investment material enters the sprue channel.



The investment ring base should have a 90° angle and be situated flat on the investment ring holder in the pressing furnace. Blanks and disposable press plungers may not be preheated.

Positioning of the investment rings in the preheating furnace

- In case of a ribbed floor (furnace without floor heating!), the investment ring can be placed directly with the opening facing downwards.
- In case of flat floors, please make sure that the wax burn-out occurs outside of the investment ring, e.g. by tipping the investment ring in direction of the rear wall.
- In case of furnaces with floor heating, please ensure that the investment ring is placed in a distance of approx. 10 mm from the floor.



**Pressing**

- The press furnace must be sufficiently preheated before pressing in order to avoid incomplete pressing due to the cooled investment ring.
- Wear gloves for heat protection.
- Depending on the age and condition of the press furnace and the number of firing cycles performed, deviations in given pressing temperatures are possible for the same device types. Recommendation: conduct a trial pressing.

As soon as the press furnace is ready for pressing, remove the preheated investment ring from the preheating furnace and place in the immediate vicinity of the press furnace. While the press furnace opens, immediately load the investment rings. First insert the required press ingot, then the press plunger.



- Insert the press blank into the investment ring with the unprinted side first.
- Use a maximum of 2 press ingots per press channel.
- If reusable  $\text{Al}_2\text{O}_3$  press plungers are used, it may be necessary to adjust the pressing temperature!

Then place the loaded investment ring upright immediately on the firing table of the press furnace and start the programme according to the pressing programmes listed in the following.

**Pressing programmes (reference values) with Livento® press**

|                                    | Starting temperature<br>°C | Temperature rise<br>°C | Final temperature<br>°C | Dwell time<br>min. | Pressing time<br>min. | Vacuum start<br>°C | Pressing pressure |
|------------------------------------|----------------------------|------------------------|-------------------------|--------------------|-----------------------|--------------------|-------------------|
| Dekema press-i-dent (100 g)        | 700                        | 60                     | 910                     | 20                 | automatic             | 700                | Level 5           |
| Dekema press-i-dent (200 g)        | 700                        | 60                     | 920                     | 20                 | automatic             | 700                | Level 5           |
| Ivoclar Programat (100 g)          | 700                        | 55                     | 910                     | 15                 | automatic             | 700                | E 300             |
| Ivoclar Programat (200 g)          | 700                        | 60                     | 912                     | 25                 | automatic             | 700                | E 300             |
| Zubler Vario Press (100 g)         | 700                        | 60                     | 900                     | 18                 | 3                     | 700                | Low               |
| Zubler Vario Press (200 g)         | 700                        | 60                     | 915                     | 20                 | 3                     | 700                | Low               |
| Dentsply Multimat NTxpress (100 g) | 700                        | 60                     | 930                     | 15                 | 3                     | 700                | –                 |
| Dentsply Multimat NTxpress (200 g) | 700                        | 60                     | 950                     | 18                 | 3                     | 700                | –                 |

After completion of the pressing programme, immediately remove the investment ring from the press furnace with ring tongs and place on a cooling grid.

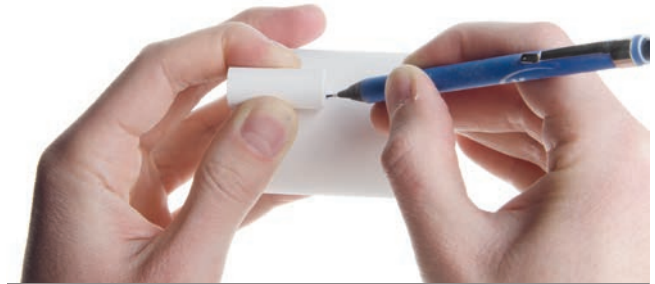
Cooling down to room temperature should be performed in a draught-free area.

Cooling takes approx. 60 minutes and must not be accelerated.

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### Divestment and cleaning

Mark the end of the press plunger.



Separate the excess investment material with a large, suitable cutting disk.



Further rough divestment can be performed with  $\text{Al}_2\text{O}_3$ , grain  $50\text{ }\mu\text{m}$ – $110\text{ }\mu\text{m}$ , at 4 Bar pressure.

Alternatively, waterjet devices such as, for example, Atlantis by Effegi Brega can be used for efficient and health-caring divestment.



The pressed crowns must not be sandblasted!

Subsequent fine divestment is performed for the investment material Livento® invest with glass beads  $50\text{ }\mu\text{m}$  and a pressure of 2.5 to 3 Bar. If the correct blasting direction and distance of the blasting material are complied with, even the most delicate margins will not be damaged. When using Livento® invest, subsequent removal of the reaction layer with an etching liquid in the ultrasonic bath is no longer required. This saves time.

### Finishing

Only rotary instruments suitable for glass ceramics may be used for finishing Livento® press. Otherwise this can lead to chipping at the edges as well as to overheating.



- Limit grinding to an absolute minimum, i.e. avoid over-sizing when waxing the press object.
- Operate at low speed and with little force.
- Overheating of the ceramic is to be avoided under all circumstances.
- Anatomically shape the connection point of the sprue after separation.
- In the case of bridges, the connections may not be separated afterwards to avoid predetermined breaking points.
- When steam cleaning, avoid overheating the area of the metal instrument that holds the ceramic.

Briefly blast the finished press restoration with  $\text{Al}_2\text{O}_3$  and 1 Bar pressure and then clean thoroughly with a steam jet prior to staining or applying the veneer ceramic.

Result of a crown after cleaning, without any finishing, fitted on the die.



Separation from sprue with diamond cutting disk.



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Finishing of the crown is performed with rotary instruments suitable for glass ceramics.



# Processing instructions

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## Livento® press and staining technique

### Stain & Glaze shade table



Flu-Shade A



Flu-Shade B



Flu-Shade C



Flu-Shade D



Flu-Stain white



Flu-Stain yellow



Flu-Stain orange



Flu-Stain intense-orange



Flu-Stain dark-blue



Flu-Stain navy-blue



Flu-Stain brown



Flu-Stain black



Flu-Stain gray



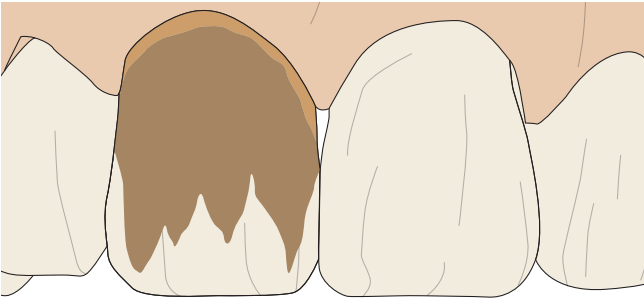
Flu-Stain pink



Staining pastes separate after long periods of not being used. Prior to application it is essential to mix well with the spatula included in the kit until homogeneous and no more grains are visible. The surface then displays an even satin glow.

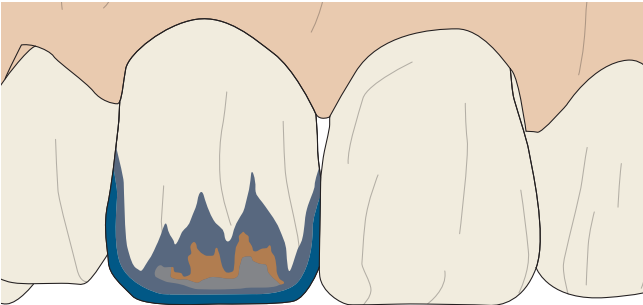
Basic instructions for staining (according to Robert Arvai, Chur)

Suggestion for the anterior region



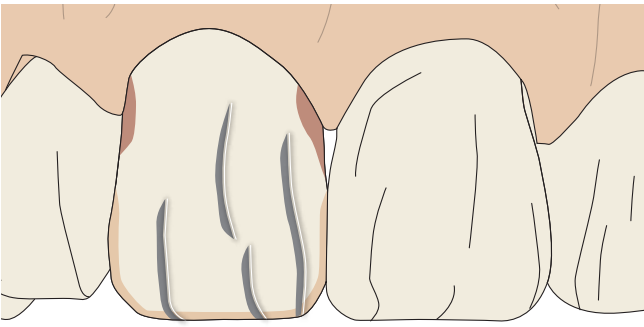
Step 1

- Flu-Shade A, B, C or D
- Flu-Stain orange or intense-orange



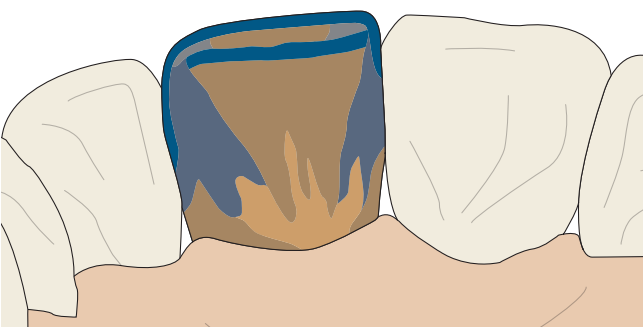
Step 2

- Flu-Stain navy-blue
- Flu-Stain dark-blue
- Flu-Stain intense-orange
- Flu-Stain gray



Step 3

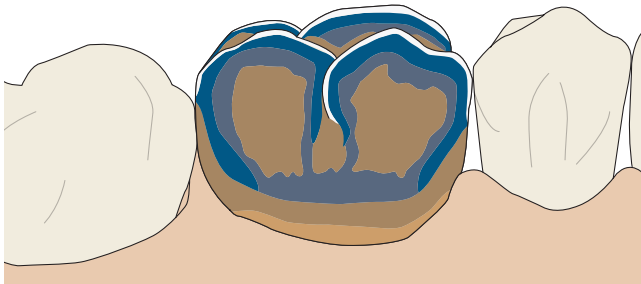
- Flu-Stain gray, staining direction distal
- Flu-Stain white and Flu-Stain orange mixed at 50%:50%
- Flu-Stain pink, applied very thinly
- Flu-Stain white for enamel cracks



Step 4

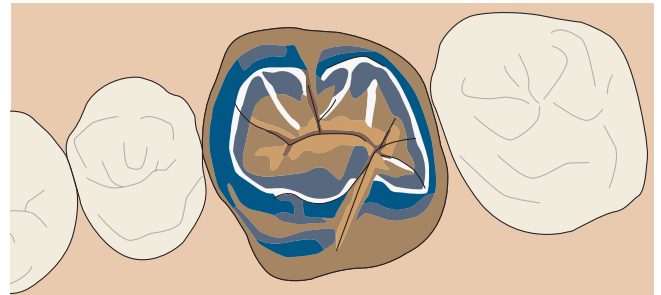
- Flu-Shade A, B, C or D
- Flu-Stain navy-blue
- Flu-Stain dark-blue
- Flu-Stain gray
- Flu-Stain orange or intense-orange

## Suggestion for the posterior region



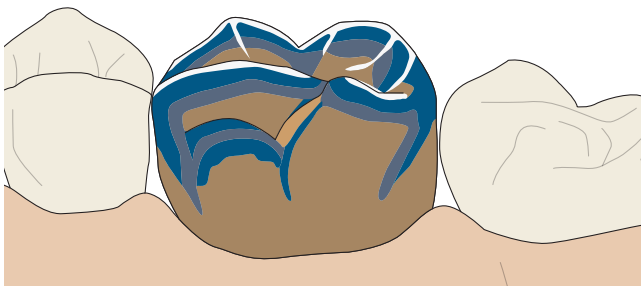
Step 1 (buccal)

- Flu-Shade A, B, C or D
- Flu-Stain orange or intense-orange
- Flu-Stain navy-blue
- Flu-Stain dark-blue<sup>6</sup>
- Flu-Stain white



Step 2 (occlusal)

- Flu-Shade A, B, C or D
- Flu-Stain orange or intense-orange
- Flu-Stain navy-blue
- Flu-Stain dark-blue<sup>6</sup>
- Flu-Stain white
- Flu-Stain brown



Step 3 (palatal)

- Flu-Shade A, B, C or D
- Flu-Stain orange or intense-orange
- Flu-Stain navy-blue
- Flu-Stain dark-blue<sup>6</sup>
- Flu-Stain white

### Tips


- Prior to staining, blast the crown matt with 50 µm Al<sub>2</sub>O<sub>3</sub> and a maximum of 1 Bar pressure.
- Apply colours (shade and stain) without the addition of glazing liquid if at all possible. This avoids clouding or washing of the colour towards the edge.
- Mix glazing material with a little glazing liquid.
- Soak up the excess glaze from the posterior teeth occlusally from the fissures with a blotting paper point.
- Apply the shades from incisal to gingival in thin layers.

### Firing table

|       | Closing time | Starting temperature | 1 <sup>st</sup> firing | 2 <sup>nd</sup> firing | Temperature rise | Start vacuum | Dwell time |
|-------|--------------|----------------------|------------------------|------------------------|------------------|--------------|------------|
|       | min.         | °C                   | °C                     | °C                     | K/min.           | °C           | min.       |
| Stain | 4            | 450                  | 750                    | 750                    | 45               | without      | 1          |
| Glaze | 4            | 450                  | 750                    | 750                    | 45               | without      | 1          |



**Livento® press veneered with Soprano® 10**

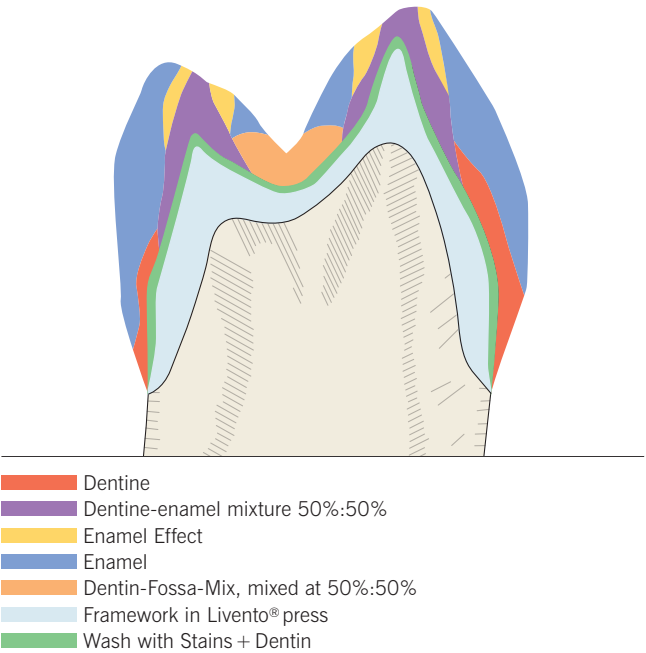
 Shake bottle well before every use.  
The stated firing temperatures are reference values and can differ by type of furnace and age of the device.  
**Recommendation:** conduct a ceramic test firing.

The stains can also be applied to Livento® press framework prior to layering.  
Avoid any sharp edges when using the reduced layering technique (cut-back).

The ceramic material Repair (Enamel E2) can be used for small repairs of the reconstruction after glaze firing. Firing temperature is 720° C.

| Combination table |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------------|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|
|                   | A  |    |    |      |    | B  |    |    |    | C  |    |    |    | D  |    |    |
|                   | A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4 |
| Enamel            | 1  | 2  | 2  | 4    | 4  | 1  | 2  | 3  | 4  | 2  | 2  | 3  | 4  | 1  | 2  | 3  |

**Example of a molar layering technique**



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Blast bridge framework with 50  $\mu\text{m}$   $\text{Al}_2\text{O}_3$  and steam clean.



The bridge framework customised with stains.



Sprinkle dentine powder directly on the still wet bridge framework. Remove excess.



The bridge framework sprinkled with dentine powder ready for framework characterisation firing **at 780 °C**.



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The bridge framework after framework characterisation firing, ready for layering.



Apply the Opaque Dentine to the cervical and lingual regions.



Layering of the Dentine directly on the Opaque Dentine.



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Application of a Dentine-Enamel mixture 50%:50%.



Apply a further minimal Enamel layer to the anatomically reduced form and condense the surface well with a “big brush”.

Separate bridge connections interdentally down to the framework.

The work is now ready for the 1<sup>st</sup> dentine firing which is performed at 2° C lower than the framework characterisation firing, at 778° C.



Directly after the first dentine firing.



Staining or characterisation is now virtually completed.



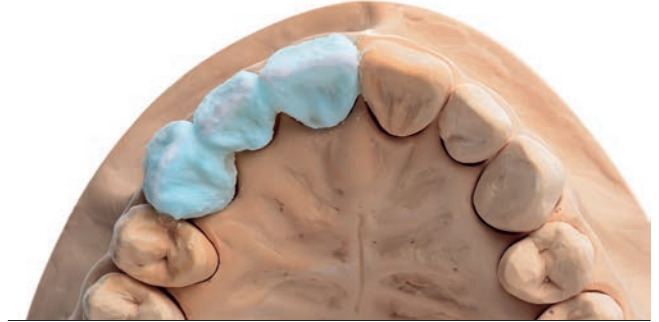
Cut back of the dentine build-up.



Completion of the anatomical form via transparent and cutting materials with slight over-contouring. This is performed with alternate layering of the various materials. Interdental separation is performed down to the framework. Then the surface is condensed with a “big brush”.

Final finishing of the surface and contour is performed with proven ceramic-bonded stones or diamonds.

2<sup>nd</sup> dentine firing is at 770° C.



#### Option 1

The restoration can be finished with stains and glaze. This is performed at a firing temperature of **740° C**, without vacuum.

#### Option 2

Performing a “self-glaze” firing (without stains and glaze) at **785° C**, with vacuum, but without dwell time. Subsequent manual polishing with suitable polishing agents is then essential to achieve the desired level of gloss.



Finished restoration



| Firing table                    |              |                      |                        |                        |                  |              |            |
|---------------------------------|--------------|----------------------|------------------------|------------------------|------------------|--------------|------------|
| (on a Livento® press framework) | Closing time | Starting temperature | 1 <sup>st</sup> firing | 2 <sup>nd</sup> firing | Temperature rise | Start vacuum | Dwell time |
|                                 | min.         | °C                   | °C                     | °C                     | K/min.           | °C           | min.       |
| Framework characterisation      | 4            | 450                  | 780                    | –                      | 45               | 450          | 1          |
| Dentine/Enamel                  | 4            | 450                  | 778                    | 770                    | 45               | 450          | 1          |
| Self-glaze                      | 4            | 450                  | 785                    | –                      | 45               | 450          | –          |
| Glaze                           | 4            | 450                  | 740                    | 740                    | 55               | without      | 1          |
| Repair                          | 4            | 450                  | 720                    | –                      | 45               | 450          | 1          |

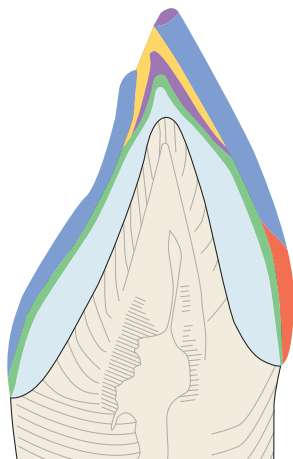


**Soprano® 10 veneered on zirconium oxide**

- The framework must have no sharp edges.
- For larger volume cases, the firing temperature is to be increased by 20–30° C.
- For veneers on zirconium oxide, particularly in case of larger volume layers, delayed opening of the furnace (min. 2 minutes) is recommended after each main firing, starting with the margin firings.

**Combination table**

|                | A  |    |    |      |    | B  |    |    |    | C  |    |    |    | D  |    |    |  |
|----------------|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|--|
|                | A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4 |  |
| Frame Modifier | A  | A  | A  | A    | A  | B  | B  | B  | B  | C  | C  | C  | C  | D  | D  | D  |  |
| Enamel         | 1  | 2  | 2  | 4    | 4  | 1  | 2  | 3  | 4  | 2  | 2  | 3  | 4  | 1  | 2  | 3  |  |

**Layer pattern using anterior tooth as example**

Cut

from labial

- Dentine
- Dentine-enamel mixture 50%:50%
- Effect materials
- Enamel
- Wash with stains
- Framework in zirconium oxide

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Mix the Frame Modifier corresponding to the stain with the special liquid to a creamy consistency and apply thinly to the zirconium oxide framework.

Firing temperature: **970° C.**



Crown after finished Frame Modifier firing.



Reduce the coping if required and isolate the die.



Build up the margin region then fire.

Firing temperature: **840° C.**



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After the margin is fired, apply glazing fluid thinly across the entire surface and sprinkle with Margin powder. The rougher surface increases the bond. This increases light refraction and the depth effect.

Firing temperature: **830° C.**



Apply the Opaque Dentine to the cervical and lingual region.



Apply Dentine layer directly on the Opaque Dentine.



Application of a Dentine-Enamel mixture 50%:50%.



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Slightly over-contour the anatomical form with translucent and enamel powders according to the desired shade. Then condense the surface with a “big brush”.

The work is now ready for the 1<sup>st</sup> dentine firing at **780° C**.



After the 1<sup>st</sup> firing without any finishing.





Final finishing of the surface and contour is performed with conventional ceramic-bonded stones or diamonds.



The 2<sup>nd</sup> firing is a pure correction firing. Only small shape corrections are performed with cutting and transparent materials.

2<sup>nd</sup> Dentine firing at 770° C.



**Option 1**

The restoration can be finished with stains and glaze.  
This is performed at a firing temperature of **740° C**, without vacuum.

**Option 2**

Performing a “self-glaze” firing (without stains and glaze) at **785° C**, with vacuum, but without a hold time. Subsequent manual polishing with a suitable polishing agent is then essential to achieve the desired level of lustre.

Finished restoration

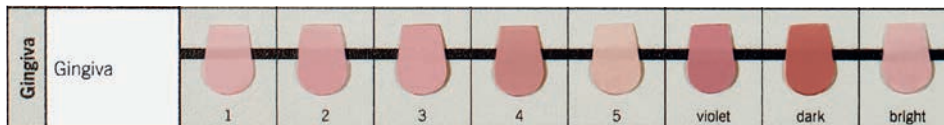


| Firing table                       |              |                      |                        |                        |                  |              |            |
|------------------------------------|--------------|----------------------|------------------------|------------------------|------------------|--------------|------------|
| (on a zirconium dioxide framework) | Closing time | Starting temperature | 1 <sup>st</sup> firing | 2 <sup>nd</sup> firing | Temperature rise | Start vacuum | Dwell time |
|                                    | min.         | °C                   | °C                     | °C                     | K/min.           | °C           | min.       |
| Frame Modifier                     | 4            | 450                  | 970                    | 960                    | 60               | 450          | 1          |
| Margin                             | 4            | 450                  | 840                    | 830                    | 45               | 450          | 1          |
| Dentine/Enamel                     | 4            | 450                  | 780                    | 770                    | 45               | 450          | 1          |
| Self-glaze                         | 4            | 450                  | 785                    | –                      | 45               | without      | –          |
| Glaze                              | 4            | 450                  | 740                    | 740                    | 55               | without      | 1          |
| Repair                             | 4            | 450                  | 720                    | –                      | 45               | 450          | 1          |

## Soprano® 10 Gingiva

### Shade table

The firing temperatures are analogue to those of dentine/enamel firing.



## Livento® press/Soprano® 10 Bleach

### Shade table

The press programmes are analogue to the A, B, C and D shades.

The firing temperatures of the special veneer ceramics are analogue to those of dentine/enamel firing.

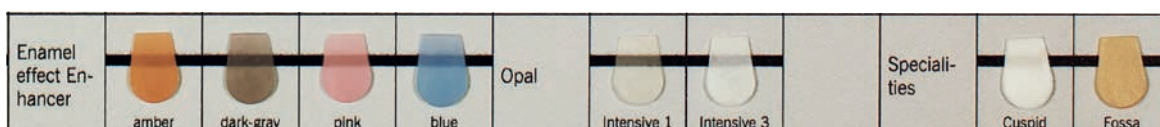
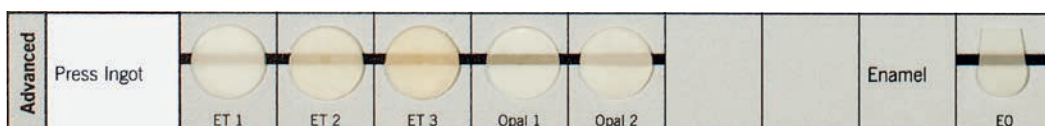


## Livento® press/Soprano® 10 Advanced

### Shade table

The press programmes are analogue to the A, B, C and D shades.

The firing temperatures of the special veneer ceramics are analogue to those of dentine/enamel firing.





# Integration and follow-up

## Cementation

Choosing the correct cementation options available today are crucial for a harmonious colour effect of a full ceramic restoration. Depending on the indication, Livento® press restorations can be fixed in an adhesive, self-adhesive or conventional manner.

### Brief description of the cementation methods

#### a) Conventional cementation

In this method of cementation, attachment is virtually based only on the static friction between the restoration and the cementation material. To provide conventional cementation, a retentive preparation with a preparation angle of 4° to 6° is necessary to achieve the highest possible static friction. Please note: in conventional cementation, the overall strength is not increased by fixing the ceramic restoration!

#### b) Adhesive cementation

In adhesive cementation, the attachment is largely based on a chemical-micromechanical bond, on the one hand between the restoration and the cementation material, on the other, between the preparation and the cementation material. A micromechanical bond to dentine and enamel is created using special adhesive systems. In this type of cementation, static friction plays a subordinate role, therefore a retentive preparation is not necessary. In adhesive cementation, the overall strength is increased by fixing the ceramic restoration!

#### c) Self-adhesive cementation

In self-adhesive cementation, attachment is based on a chemical-micromechanical bond as well as static friction. Retentive preparation is therefore recommended. As the cementation material has self-etching properties with regard to the tooth substance, no additional pretreatment of the tooth surface is necessary.

Please note: in self-adhesive cementing, the overall strength of the ceramic restoration is **not** increased!

| Type of restoration                | Conventional cementation | Adhesive cementation | Self-adhesive cementation |
|------------------------------------|--------------------------|----------------------|---------------------------|
| Veneers                            | –                        | ■                    | –                         |
| Inlays, onlays and partial crowns  | –                        | ■                    | –                         |
| Anterior and posterior tooth crown | ■                        | ■                    | ■                         |
| 3-pontic bridges                   | ■                        | ■                    | ■                         |



Please observe correct processing according to the manufacturer's instruction for use enclosed in the packaging.



Before cementation of the restoration, etch the inner surface with 5–9% hydrofluorid acid.

## Notes on care

Restorations made of Livento® press and Soprano® 10 require regular professional cleaning, the same as own teeth.

Ideal is the use of toothpastes with a low RDA<sup>7</sup> value of 7 to avoid rapid abrasion of the ceramic. This benefits the health of the gums and the teeth as well as the overall aesthetic appearance.

## Traceability

The batch numbers must be documented to ensure traceability.

<sup>7</sup> Relative Dentine Abrasion

# Product range and ordering information

| Order No. | Product                      | Description                     | Kit    | Refill     |
|-----------|------------------------------|---------------------------------|--------|------------|
| 08055072  | Livento® press – Soprano® 10 | Intro Kit A2 complete           |        |            |
| 08055137  | Livento® press               | LT A1                           | 3 pc   | 5 pc       |
| 08055160  | Livento® press               | MT A2                           | 3 pc   | 5 pc       |
| 08055173  | Soprano® 10                  | Margin A2                       | 5 g    | 5 g        |
| 08055176  | Soprano® 10                  | Opaque Dentine A2               | 5 g    | 15 g       |
| 08055177  | Soprano® 10                  | Dentine A2                      | 5 g    | 15 g       |
| 08055178  | Soprano® 10                  | Mamelon Cream                   | 5 g    | 15 g       |
| 08055215  | Soprano® 10                  | Enamel E2                       | 5 g    | 25 g       |
| 08055179  | Soprano® 10                  | Enamel Effect light-blue        | 5 g    | 15 g       |
| 08055180  | Soprano® 10                  | Opal Effect                     | 5 g    | 15 g       |
| 08055181  | Soprano®                     | Flu-Shade A                     | 5 g    | 5 g        |
| 08055182  | Soprano®                     | Flu-Stain dark-blue             | 5 g    | 5 g        |
| 08055183  | Soprano®                     | Flu-Stain brown                 | 5 g    | 5 g        |
| 08055184  | Soprano®                     | Glaze Paste                     | 5 g    | 5 g        |
| 08055283  | Soprano®                     | Glaze Fluid                     | 25 ml  | 25ml       |
| 08055277  | Soprano®                     | Modeling Liquid                 | 25 ml  | 100 ml     |
| 08055014  | Livento® invest              |                                 | 5x100g | 50 x 100 g |
| 083739    | Livento®                     | Liquid                          | 250ml  | 1000 ml    |
| 08055017  | Livento® press               | Disposable Pressplunger (13 mm) | 5 pc   | 50 pc      |
| 08055073  | Livento® press – Soprano® 10 | Shade A-B Kit complete          |        |            |
| 08055142  | Livento® press               | LT A0                           | 3 pc   | 5 pc       |
| 08055137  | Livento® press               | LT A1                           | 3 pc   | 5 pc       |
| 08055143  | Livento® press               | LT A2                           | 3 pc   | 5 pc       |
| 08055144  | Livento® press               | LT A3                           | 3 pc   | 5 pc       |
| 08055145  | Livento® press               | LT A3.5                         | 3 pc   | 5 pc       |
| 08055146  | Livento® press               | LT A4                           | 3 pc   | 5 pc       |
| 08055147  | Livento® press               | LT B1                           | 3 pc   | 5 pc       |
| 08055148  | Livento® press               | LT B2                           | 3 pc   | 5 pc       |
| 08055149  | Livento® press               | LT B3                           | 3 pc   | 5 pc       |
| 08055150  | Livento® press               | LT B4                           | 3 pc   | 5 pc       |
| 08055158  | Livento® press               | MT A0                           | 3 pc   | 5 pc       |
| 08055159  | Livento® press               | MT A1                           | 3 pc   | 5 pc       |
| 08055160  | Livento® press               | MT A2                           | 3 pc   | 5 pc       |
| 08055161  | Livento® press               | MT A3                           | 3 pc   | 5 pc       |
| 08055162  | Livento® press               | MT B1                           | 3 pc   | 5 pc       |
| 08055163  | Livento® press               | MT B2                           | 3 pc   | 5 pc       |
| 08055141  | Livento® press               | HO 1                            | 3 pc   | 5 pc       |
| 08055169  | Livento® press               | Bleach 1                        | 3 pc   | 3 pc       |
| 08055185  | Soprano® 10                  | Frame Modifier A                | 5 g    | 5 g        |
| 08055186  | Soprano® 10                  | Frame Modifier B                | 5 g    | 5 g        |
| 08055187  | Soprano® 10                  | Margin A0                       | 5 g    | 5 g        |
| 08055173  | Soprano® 10                  | Margin A2                       | 5 g    | 5 g        |
| 08055188  | Soprano® 10                  | Margin A4                       | 5 g    | 5 g        |
| 08055189  | Soprano® 10                  | Margin B2                       | 5 g    | 5 g        |
| 08055190  | Soprano® 10                  | Margin C2                       | 5 g    | 5 g        |
| 08055191  | Soprano® 10                  | Opaque Dentine A0               | 15 g   | 15 g       |
| 08055192  | Soprano® 10                  | Opaque Dentine A1               | 15 g   | 15 g       |
| 08055176  | Soprano® 10                  | Opaque Dentine A2               | 15 g   | 15 g       |
| 08055193  | Soprano® 10                  | Opaque Dentine A3               | 15 g   | 15 g       |
| 08055194  | Soprano® 10                  | Opaque Dentine A3.5             | 15 g   | 15 g       |
| 08055195  | Soprano® 10                  | Opaque Dentine A4               | 15 g   | 15 g       |
| 08055196  | Soprano® 10                  | Opaque Dentine B0               | 15 g   | 15 g       |
| 08055197  | Soprano® 10                  | Opaque Dentine B1               | 15 g   | 15 g       |
| 08055198  | Soprano® 10                  | Opaque Dentine B2               | 15 g   | 15 g       |
| 08055199  | Soprano® 10                  | Opaque Dentine B3               | 15 g   | 15 g       |
| 08055200  | Soprano® 10                  | Opaque Dentine B4               | 15 g   | 15 g       |
| 08055201  | Soprano® 10                  | Opaque Dentine orange           | 15 g   | 15 g       |
| 08055202  | Soprano® 10                  | Opaque Dentine brown            | 15 g   | 15 g       |

| Order No. | Product                      | Description               | Kit    | Refill |
|-----------|------------------------------|---------------------------|--------|--------|
| 08055203  | Soprano® 10                  | Opaque Dentine yellow     | 15 g   | 15 g   |
| 08055204  | Soprano® 10                  | Dentine A0                | 15 g   | 15 g   |
| 08055205  | Soprano® 10                  | Dentine A1                | 15 g   | 15 g   |
| 08055177  | Soprano® 10                  | Dentine A2                | 15 g   | 15 g   |
| 08055206  | Soprano® 10                  | Dentine A3                | 15 g   | 15 g   |
| 08055207  | Soprano® 10                  | Dentine A3.5              | 15 g   | 15 g   |
| 08055208  | Soprano® 10                  | Dentine A4                | 15 g   | 15 g   |
| 08055209  | Soprano® 10                  | Dentine B0                | 15 g   | 15 g   |
| 08055210  | Soprano® 10                  | Dentine B1                | 15 g   | 15 g   |
| 08055211  | Soprano® 10                  | Dentine B2                | 15 g   | 15 g   |
| 08055212  | Soprano® 10                  | Dentine B3                | 15 g   | 15 g   |
| 08055213  | Soprano® 10                  | Dentine B4                | 15 g   | 15 g   |
| 08055214  | Soprano® 10                  | Enamel E1                 | 25 g   | 25 g   |
| 08055215  | Soprano® 10                  | Enamel E2                 | 25 g   | 25 g   |
| 08055216  | Soprano® 10                  | Enamel E3                 | 25 g   | 25 g   |
| 08055217  | Soprano® 10                  | Enamel E4                 | 25 g   | 25 g   |
| 08055218  | Soprano® 10                  | Enamel Clear              | 25 g   | 25 g   |
| 08055180  | Soprano® 10                  | Opal Effect               | 15 g   | 15 g   |
| 08055219  | Soprano® 10                  | Opal Intensive 2          | 15 g   | 15 g   |
| 08055220  | Soprano® 10                  | Opal Intensive 4          | 15 g   | 15 g   |
| 08055221  | Soprano® 10                  | Opal Clear                | 15 g   | 15 g   |
| 08055222  | Soprano® 10                  | Enamel Effect clear-white | 15 g   | 15 g   |
| 08055223  | Soprano® 10                  | Enamel Effect sun         | 15 g   | 15 g   |
| 08055224  | Soprano® 10                  | Enamel Effect apricot     | 15 g   | 15 g   |
| 08055225  | Soprano® 10                  | Enamel Effect amber       | 15 g   | 15 g   |
| 08055226  | Soprano® 10                  | Enamel Effect gray        | 15 g   | 15 g   |
| 08055179  | Soprano® 10                  | Enamel Effect light-blue  | 15 g   | 15 g   |
| 08055227  | Soprano® 10                  | Enamel Enhancer orange    | 15 g   | 15 g   |
| 08055228  | Soprano® 10                  | Mamelon mango             | 15 g   | 15 g   |
| 08055178  | Soprano® 10                  | Mamelon cream             | 15 g   | 15 g   |
| 08055229  | Soprano® 10                  | Repair                    | 15 g   | 15 g   |
| 08055284  | Soprano®                     | Frame Liquid              | 25 ml  | 25 ml  |
| 08055277  | Soprano®                     | Modeling Liquid           | 100 ml | 100 ml |
| 08055283  | Soprano®                     | Glaze Fluid               | 25 ml  | 25 ml  |
| 08055074  | Livento® press – Soprano® 10 | Shade C-D Kit complete    |        |        |
| 08055151  | Livento® press               | LT C1                     | 3 pc   | 3 pc   |
| 08055152  | Livento® press               | LT C2                     | 3 pc   | 3 pc   |
| 08055153  | Livento® press               | LT C3                     | 3 pc   | 3 pc   |
| 08055154  | Livento® press               | LT C4                     | 3 pc   | 3 pc   |
| 08055155  | Livento® press               | LT D2                     | 3 pc   | 3 pc   |
| 08055156  | Livento® press               | LT D3                     | 3 pc   | 3 pc   |
| 08055157  | Livento® press               | LT D4                     | 3 pc   | 3 pc   |
| 08055164  | Livento® press               | MT C1                     | 3 pc   | 3 pc   |
| 08055165  | Livento® press               | MT C2                     | 3 pc   | 3 pc   |
| 08055166  | Livento® press               | MT D2                     | 3 pc   | 3 pc   |
| 08055326  | Soprano® 10                  | Frame Modifier C          | 5 g    | 5 g    |
| 08055230  | Soprano® 10                  | Frame Modifier D          | 5 g    | 5 g    |
| 08055231  | Soprano® 10                  | Opaque Dentine C1         | 15 g   | 15 g   |
| 08055232  | Soprano® 10                  | Opaque Dentine C2         | 15 g   | 15 g   |
| 08055233  | Soprano® 10                  | Opaque Dentine C3         | 15 g   | 15 g   |
| 08055234  | Soprano® 10                  | Opaque Dentine C4         | 15 g   | 15 g   |
| 08055235  | Soprano® 10                  | Opaque Dentine D2         | 15 g   | 15 g   |
| 08055236  | Soprano® 10                  | Opaque Dentine D3         | 15 g   | 15 g   |
| 08055237  | Soprano® 10                  | Opaque Dentine D4         | 15 g   | 15 g   |
| 08055238  | Soprano® 10                  | Dentine C1                | 15 g   | 15 g   |
| 08055239  | Soprano® 10                  | Dentine C2                | 15 g   | 15 g   |
| 08055240  | Soprano® 10                  | Dentine C3                | 15 g   | 15 g   |
| 08055241  | Soprano® 10                  | Dentine C4                | 15 g   | 15 g   |
| 08055242  | Soprano® 10                  | Dentine D2                | 15 g   | 15 g   |

## Product range and ordering information

| Order No. | Product                      | Description                      | Kit   | Refill |
|-----------|------------------------------|----------------------------------|-------|--------|
| 08055243  | Soprano® 10                  | Dentine D3                       | 15 g  | 15 g   |
| 08055244  | Soprano® 10                  | Dentine D4                       | 15 g  | 15 g   |
| 08055075  | Livento® press – Soprano®    | Stain&Glaze Kit complete         |       |        |
| 8055159   | Livento® press               | MT A1                            | 3 pc  | 5 pc   |
| 08055160  | Livento® press               | MT A2                            | 3 pc  | 5 pc   |
| 08055163  | Livento® press               | MT B2                            | 3 pc  | 5 pc   |
| 08055181  | Soprano®                     | Flu-Shade A                      | 5 g   | 5 g    |
| 08055245  | Soprano®                     | Flu-Shade B                      | 5 g   | 5 g    |
| 08055246  | Soprano®                     | Flu-Shade C                      | 5 g   | 5 g    |
| 08055247  | Soprano®                     | Flu-Shade D                      | 5 g   | 5 g    |
| 08055248  | Soprano®                     | Flu-Stain whith                  | 5 g   | 5 g    |
| 08055249  | Soprano®                     | Flu-Stain yellow                 | 5 g   | 5 g    |
| 08055250  | Soprano®                     | Flu-Stain orange                 | 5 g   | 5 g    |
| 08055251  | Soprano®                     | Flu-Stain intense-orange         | 5 g   | 5 g    |
| 08055182  | Soprano®                     | Flu-Stain dark-blue              | 5 g   | 5 g    |
| 08055252  | Soprano®                     | Flu-Stain navy-blue              | 5 g   | 5 g    |
| 08055183  | Soprano®                     | Flu-Stain brown                  | 5 g   | 5 g    |
| 08055253  | Soprano®                     | Flu-Stain black                  | 5 g   | 5 g    |
| 08055254  | Soprano®                     | Flu-Stain gray                   | 5 g   | 5 g    |
| 08055255  | Soprano®                     | Flu-Stain pink                   | 5 g   | 5 g    |
| 08055283  | Soprano®                     | Glaze Fluid                      | 25 ml | 25 ml  |
| 08055184  | Soprano®                     | Glaze Paste                      | 5 g   | 5 g    |
| 08055076  | Soprano® 10                  | Gingiva Kit complete             |       |        |
| 08055256  | Soprano® 10                  | Gingiva 1                        | 5 g   | 5 g    |
| 08055257  | Soprano® 10                  | Gingiva 2                        | 5 g   | 5 g    |
| 08055258  | Soprano® 10                  | Gingiva 3                        | 5 g   | 5 g    |
| 08055259  | Soprano® 10                  | Gingiva 4                        | 5 g   | 5 g    |
| 08055260  | Soprano® 10                  | Gingiva 5                        | 5 g   | 5 g    |
| 08055261  | Soprano® 10                  | Gingiva violet                   | 5 g   | 5 g    |
| 08055262  | Soprano® 10                  | Gingiva dark                     | 5 g   | 5 g    |
| 08055263  | Soprano® 10                  | Gingiva bright                   | 5 g   | 5 g    |
| 08055077  | Livento® press – Soprano® 10 | Advanced Kit complete            |       |        |
| 08055138  | Livento® press               | ET 1                             | 3 pc  | 5 pc   |
| 08055139  | Livento® press               | ET 2                             | 3 pc  | 5 pc   |
| 08055140  | Livento® press               | ET 3                             | 3 pc  | 5 pc   |
| 08055167  | Livento® press               | Opal 1                           | 3 pc  | 3 pc   |
| 08055168  | Livento® press               | Opal 2                           | 3 pc  | 3 pc   |
| 08055268  | Soprano® 10                  | Enamel E0                        | 5 g   | 5 g    |
| 08055269  | Soprano® 10                  | Opal Intensive 1                 | 5 g   | 5 g    |
| 08055270  | Soprano® 10                  | Opal Intensive 3                 | 5 g   | 5 g    |
| 08055271  | Soprano® 10                  | Enamel Effect Enhancer amber     | 5 g   | 5 g    |
| 08055272  | Soprano® 10                  | Enamel Effect Enhancer dark-gray | 5 g   | 5 g    |
| 08055273  | Soprano® 10                  | Enamel Effect Enhancer pink      | 5 g   | 5 g    |
| 08055274  | Soprano® 10                  | Enamel Effect Enhancer blue      | 5 g   | 5 g    |
| 08055275  | Soprano® 10                  | Cuspid                           | 5 g   | 5 g    |
| 08055276  | Soprano® 10                  | Fossa                            | 5 g   | 5 g    |
| 08055078  | Livento® press – Soprano® 10 | Bleaching Kit complete           |       |        |
| 08055169  | Livento® press               | Bleach 1                         | 3 pc  | 3 pc   |
| 08055170  | Livento® press               | Bleach 2                         | 3 pc  | 3 pc   |
| 08055171  | Livento® press               | Bleach 3                         | 3 pc  | 3 pc   |

## Product range and ordering information

| Order No.   | Product         | Description             | Kit        | Refill |
|-------------|-----------------|-------------------------|------------|--------|
| 08055172    | Livento® press  | Bleach 4                | 3 pc       | 3 pc   |
| 08055264    | Soprano® 10     | Bleach Opaque Dentine   | 5 g        | 5 g    |
| 08055265    | Soprano® 10     | Bleach Enamel 1         | 5 g        | 5 g    |
| 08055266    | Soprano® 10     | Bleach Enamel 2         | 5 g        | 5 g    |
| 08055267    | Soprano® 10     | Bleach Transpa-white    | 5 g        | 5 g    |
| Consumables |                 |                         |            |        |
| 08055014    | Livento® invest |                         | 50 x 100 g |        |
| 083739      | Livento® / CM20 | Liquid                  | 1000 ml    |        |
| 08055017    | Livento® press  | Disposable Pressplunger | 50 pc      |        |

# Symbols

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Manufacturer



Reference number



Lot number



Quantity



This symbol on our packaging indicates that the instructions for use for the respective product can be found on our website [www.cmsa.ch/docs](http://www.cmsa.ch/docs).

Rx only

Attention: according to US federal law, this product may only be sold by or on behalf of a physician.



Cendres+Métaux products with CE labelling meet the requirements of the Medical Device Directive 93/42/EEC.



Warning symbol for increased caution

# Disclaimer/Validity

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The issuing of these instructions for use renders all previous versions invalid. The manufacturer rejects any liability for damages resulting from non-compliance with these instructions for use. In case of complaints, please always include the batch number. Use of the product must be carried out exclusively by skilled persons.



# Availability

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Country-specific differences in product range are possible.

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# Further information

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## **Note of thanks**

We would like to thank Mr. Robert Arvai, ArDenta Dental Labor in Chur (Switzerland), for the documentation of the processing steps and the valuable input and suggestions in creating these instructions for use.

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## **FAQs**

Information is available on our website  
[www.cmsa.ch](http://www.cmsa.ch).



