



InSync[®] MC

Veneering Ceramic

PRETTY
COOL!

**PROCESSING
INSTRUCTION** English

Jensen Dental

Over the past 30 years, Jensen Dental has developed from being solely a manufacturer of alloys to becoming a comprehensive supplier of dental products and services.

We are proud of our consistently high quality and our personalised customer service, which is supplemented by our technically competent support on site as well as our customer-oriented advanced training courses.

Our aim is to ensure quality and personalised contact and services in every aspect of our business.

We commit ourselves to being able to offer you efficient and cost-effective solutions for your lab and, therefore, for your own personal success.

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1 InSync MC Veneering Ceramic



1.1 Product description, intended use and clinical benefit

The dental ceramic materials manufactured and distributed by Chemichl AG are medical products intended exclusively for dental use. The medical product group „dental ceramics“ includes powders and pastes as well as modelling liquids.

The dental ceramic products represent „semi-finished products“ that are processed by the trained dental technician/ dentist into dental restorations such as metal-ceramic bridges, metal and all-ceramic crowns and all-ceramic inlays/ onlays and veneers and are placed in the patient's oral cavity by the dentist.

The materials manufactured and distributed by Chemichl AG are not intended for use by laypersons. Special training is not required.

The target patient group is patients for fixed dentures. The clinical benefit is the restoration of chewing function and aesthetics.

1.2 Material and indication

The InSync MC veneering ceramic system opens up a wide range of possibilities for the economical fabrication of natural-looking biocompatible restorations.

fabrication of natural-looking, biocompatible restorations. Due to the wide CTE range

InSync MC is suitable for all fusing alloys with a CTE range of 14.

Fluorescence, translucency and opacity of the ceramic are based on the human tooth. The high colour consistency and exceptional brilliance is guaranteed even with multiple firings. These advantageous optical properties lend all restorations a high-quality and sophisticated aesthetic as well as a naturally vibrant effect.

1.3 Contraindications, side effects and interactions

- Clinical problem cases are generally excluded from an indication
- Untreated bruxism (a splint is induced after insertion)
- In cases of proven allergy to ingredients contained in this product
- Combinations with materials outside the described veneering ceramic systems are not permitted.

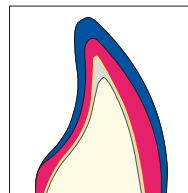
Side effects and interactions: At the present time, neither side effects nor interactions are known.

1.4 Material characteristics

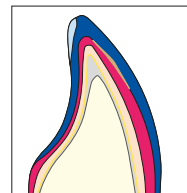
versatile

- The InSync MC ceramic system opens up comprehensive possibilities for the economical fabrication of natural-looking, biocompatible restorations. Due to its wide CTE range, InSync MC is suitable for all fusing alloys with a CTE range of 14, regardless if they are high gold, reduced gold or non precious alloys.
- With the consistent colour concept of InSync MC anything is possible, from efficient BASIC layering with two masses to aesthetically demanding, individual ADVANCED layering. (1) (2)
- In combination with MiYO, the InSync MC layering ceramic is perfect for restorations in smart hybrid technique. (3)
- The comprehensive colour palette - in accordance with the VITA[®] Classic Colour System* - offers almost unlimited creative possibilities.
- The ceramic system is rounded off by the high-gloss glaze that fires at low temperatures.

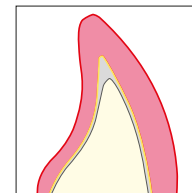
* VITA[®] Classic is a registered trademark of VITA Zahnfabrik H. Rauter GmbH & Co. KG



1: Efficient BASIC layering with 2 masses



2: Individual ADVANCED layering



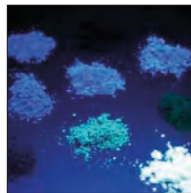
3: Smart hybrid technique in combination with MiYO

esthetic

- For the InSync MC Ceramic System, the base materials were developed completely from scratch. The fluorescence, translucency and opacity of the ceramic are based on the human tooth. These advantageous optical characteristics lend a high-quality, discerning aesthetic and naturally lifelike effect to all dental restorations.
- Special ingredients create a ceramic material with a subtle auto-fluorescence and unusual brilliance. (4) (5)
- The high colour stability and brilliance are retained even after repeated firing.
- These advantageous optical properties give all InSync MC restorations a high aesthetics and a natural vivid effect.



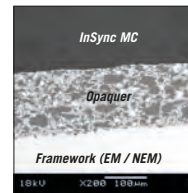
4: Colour pigments in daylight conditions



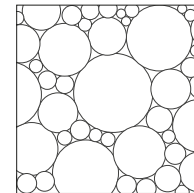
5: Fluorescent colour pigments (UV light)

secure

- The opaquer is an important component of the InSync MC ceramic system. It forms a secure bond between the framework and the ceramic layer and ensures a natural result. (6)
- InSync MC's unique particle size distribution ensures excellent sculptability, paired with low shrinkage. (7)
- The ceramic is based on synthesised feldspar. Due to its complex composition, the ceramic is particularly CTE and colour stable. This ensures safety during processing even after several firings.
- The hardness of the InSync MC veneering ceramic corresponds to that of a natural tooth. This minimises dysfunctions of the stomatognathic system.
- High biocompatibility.



6: REM | Opaquer for a reliable, tight adhesive bond



7: Particle size distribution

1.5 System components

POWDER OPAQUER

- Available as low and high value wash Opaque for stabilising brightness.
- The powder is mixed with Opaque Liquid and can be applied evenly and extremely easily.



PASTE OPAQUER

- Available in 16 VITA® Classic shades and in two bright special shades AO and B0.
- The form of application, in glass pots, guarantees unvarying consistency and allows for application of even, thin layers with a high opacity.
- Excellent adhesion values give security and stability for long-lasting veneers.



MARGIN

- Available in 16 VITA® Classic shades as well as in two bright special shades AO and B0.
- The high-fluorescent Margin masses have the highest degree of fluorescence of the whole layering system.
- The Margin material can also be used for underfiring of the pontic. Due to the high firing temperature, the pontic does not shrink further during Dentin firing, thus creating a stable base for layering.



OPAQUE DENTIN

- Opaque Dentin is available in all VITA® Classic shades, two bright special shades AO and B0 as well as in the Bleach shades BL1 - BL4.
- The degree of fluorescence is lower than that of the shoulder material but has a higher opacity level.
- Due to the opaqueness of the shades, thinner layered areas can be concealed.
- Unlike classic Opaque Dentins, chroma and fluorescence are so aligned that they do not stand out optically from the actual layering.
- With layers under 0.5mm thickness, Opaque Dentin can be used as a replacement for the respective Dentin.



DENTIN

- Developed for the dual-material layering technique. Due to the special staining, layering of any colour wheel tooth shades can be easily created “straight from the pot”.
- Currently available in all VITA® Classic shades as well as AO, BO and in the Bleach shades BL1 - BL4.
- Opacity is set for a minimum layering thickness of 0.5/0.6mm. The use of Opaque Dentin for colour stabilisation is not necessary.
- The fluorescence of the Dentin material matches that of natural teeth.



ENAMEL / TRANSPA

- Standard Enamel 57 - 60 shaded from whitish to greyish, is oriented towards the classic layering concept.
- Effect Enamel: molar white, grey, yellow, orange, white and blue are coloured incisal materials with a lower fluorescence and higher opacity.
- Neutral is used for correcting form without altering brightness.
- Opal Low and Opal High: opalescent in two different intensities with a lower chroma.



NECK TRANSPA

- High fluorescence and a high portion of chroma (colour), for the cervical area in order to retain light conductivity in the gingiva.
- Due to the high degree of fluorescence and the intense colour, the Neck Transpa material is also suitable for interdental and occlusal lightening and colour intensifying purposes.
- Available in yellow, orange, orange-pink and amber-khaki.

MAMELON

- High-density non-fluorescent intensive material.
- High chromaticity with a high opacity.
- Available in salmon, orange, yellow ivory and teak.



TRANSLUCENT

- Yellow, orange, light blue, intensive blue, white, pink and clear have been developed to create translucent effects in incisal layering.
- Non-fluorescent with high translucency but enough chroma without any fading.
- For individual and dynamic layering processes.



CORRECTION

- Correction material, available as Dentin and Enamel. Low firing temperatures allow form corrections after glaze firing.

GINGIVA

- Available in seven different shades. The darker shades have a Dentin-like opacity, the lighter shades, that of the Enamel materials.



MODIFIER

- Available in the base shades A,B,C,D to intensify the base tone. To be mixed into the Dentin or used to individualise the layering materials.
- The Modifiers “dark fluorescent” and “light fluorescent” are used for managing brightness. Dark fluorescent has a violet/grey component, whilst light fluorescent is held in brilliant white.



BLEACH

- Bleach 1-4 is available as Dentin as well as for the corresponding Enamel.



LIQUIDS

InSync one-for-all liquids are for universal use with all InSync ceramic materials.

- Margin Liquid
- Modelling Liquid
- Opaque Liquid
- Stain / Glaze Liquid



1.6 Shade combination tables

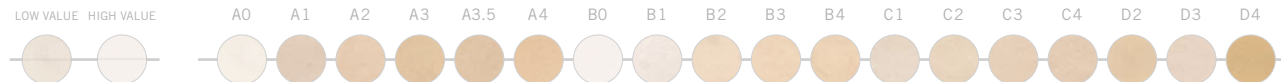
Shade	A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Opaque	A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Margin	A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Opaque Dentin	A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Dentin	A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Enamel	57	58	58	60	60	57	58	59	60	58	58	59	60	57	58	59

Shade	BLEACH 1	BLEACH 2	BLEACH 3	BLEACH 4
Opaque	A0	B0	A0	A0/B0
Opaque Dentin	BL1	BL2	BL3	BL4
Dentin	BL1	BL2	BL3	BL4
Enamel	BL	BL	BL	BL

1.7 Colour table

POWDER OPAQUE

LOW VALUE HIGH VALUE



PASTE OPAQUE



MARGIN



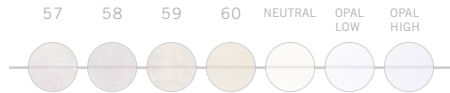
OPAQUE DENTIN



DENTIN



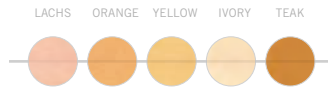
ENAMEL



EFFECT ENAMEL



MAMELONS



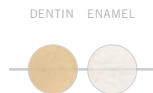
NECK TRANSPA



TRANSLUCENT



CORRECTION



GINGIVA



BLEACH




MODIFIER






1.8 Firing table

- ! The following firing temperatures are reference values and can vary according to furnace type.
- For firing large-span bridges or massive pontics, the heating rate must be adjusted to approx. 30°C/min.

	Start temperature [°C]	Dry time [min]	Closing time [min]	Vacuum Start [°C]	Heat rate [°C / min]	End temperature [°C]	Vacuum end [°C]	Holding time [min]	Opening time [min]
Wash firing	450	4	3	450	80	950	950	1	1
Opaque firing	450	4	3	450	80	950	950	1	1
1. Margin firing	450	3	3	450	60	900	900	1	1
2. Margin firing	450	3	3	450	60	890	890	1	1
1. Dentin firing	450	4	3	450	60	880	880	1	1
2. Dentin firing	450	4	3	450	60	870	870	1	1
Correction firing*	450	4	3	450	60	800	800	1	1
Glaze firing without glazing material	450	---	3	---	55	860	---	1	1
Glaze / stain firing with glazing material	450	4	3	600	50	780	780	1	1

* With correction material

	Start temperature [°C]	Dry time [min]	Closing time [min]	Heat rate [°C/min]	Holding time 1 [s]	Vacuum start [°C]	End temperature [°C]	Vacuum end [°C]	Holding time 2 [s]	Opening time [min]
MiYO Finishing firing	400 - 450	3	4	45	30 - 45	580	800	800	30 - 60	1

1.9 Technical data

1.9.1 Composition glass-ceramic veneering ceramics

Oxides	in weight %
SiO ₂	25,0 - 75,0
Al ₂ O ₃	2,0 - 22,0
K ₂ O	1,0 - 15,0
Na ₂ O	1,0 - 15,0
B ₂ O ₃	0,0 - 18,0

Other oxides	in weight %
P ₂ O ₅ , La ₂ O ₃ , Li ₂ O, CaO, ZnO, SnO ₂ , CeO ₂ , SrO, ZrO ₂	0,0 - 8,0

Other components	in weight %
Fluorine	0,0 - 5,0
Colouring pigments	0 - 25,0

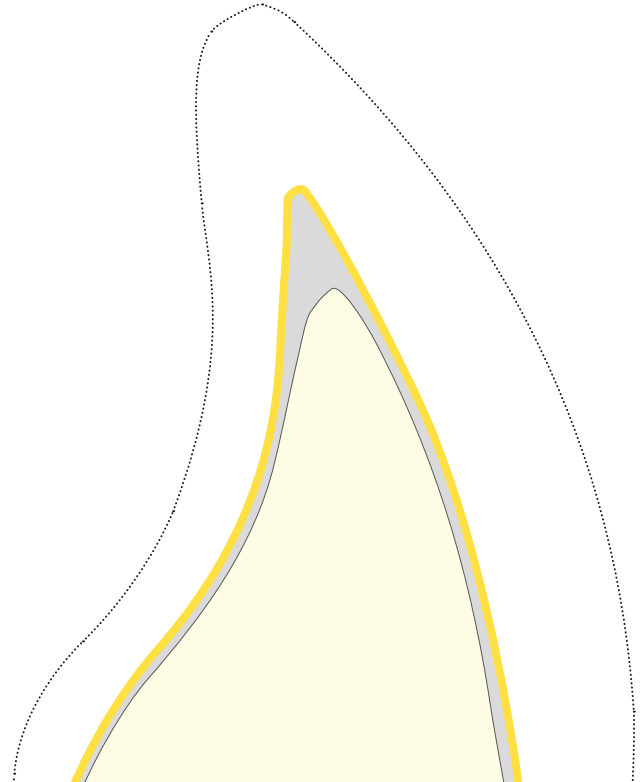
1.9.2 CTE, Chemical solubility, flexural strength

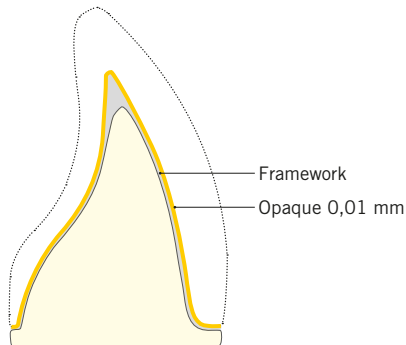
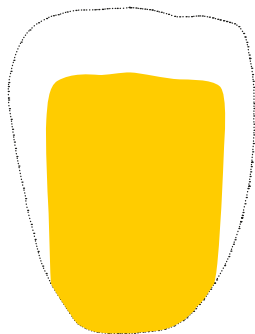
	Type	Class	CTE	CTE	T _g * 2x/4x firing [°C] ± 20	Chemical solubility		3-point flexural strength	
			2x firing (25 - 500°C) [*10 ⁻⁶ K ⁻¹] ± 0,5	4x firing (25 - 500°C) [*10 ⁻⁶ K ⁻¹] ± 0,5		InSync ZR [µg/cm ²]	Classification acc. to ISO 6872 [µg/cm ²]	InSync ZR [MPa]	Classification acc. to ISO 6872 [MPa]
InSync MC Opaquer	I	1b	12,5	12,5	550	≤ 30	< 100	≥ 125	> 50
InSync MC Margin	I	1b	13,0	13,0	585	≤ 30	< 100	≥ 75	> 50
InSync MC Dentin	I	1b	12,5	12,5	570	≤ 30	< 100	≥ 75	> 50
InSync MC Enamel, Modifier	I	1b	12,5	12,5	570	≤ 30	< 100	≥ 75	> 50
InSync MC Transpa, Clear, Opal	I	1b	12,5	12,5	570	≤ 30	< 100	≥ 75	> 50
InSync MC Correction	I	1b	12,5	12,5	540	≤ 25	< 100	≥ 75	> 50
InSync Glaze	I	1b	7,3 (1x)	---	485 (1x)	< 100	< 100	> 50	> 50

Characteristics tested in accordance with ISO 6872 and ISO 9693.

* For T_g 2x/4x less than 500°C, the CTE value is given as [25 °C -TG].

2 Framework Preparation





APPLICATION

The Opaque reliably conceals the framework and creates an excellent adhesive bond between framework and layering ceramic. The use of a bonding agent is not necessary.

PROCESSING

- The manufacturer specifications should be adhered to at all times
- Choice of Opaque according to the colour matching table
- Remove the required amount from the pot and mix to the desired consistency using liquid (Powder Opaque) or a lightly wetted brush (Paste Opaque)
- Carefully clean the framework with steam jet
- Apply Opaque to the metal without full coverage (approx. 70%)
- Do not vacuum Opaque layer
- Carry out wash firing with furnace-specific firing parameters
- Apply 2nd Opaque layer for complete covering of frame
- Carry out second Opaque firing with furnace-specific firing parameters

MATERIALS USED

- Paste- / Powder Opaque
- Opaque Liquid





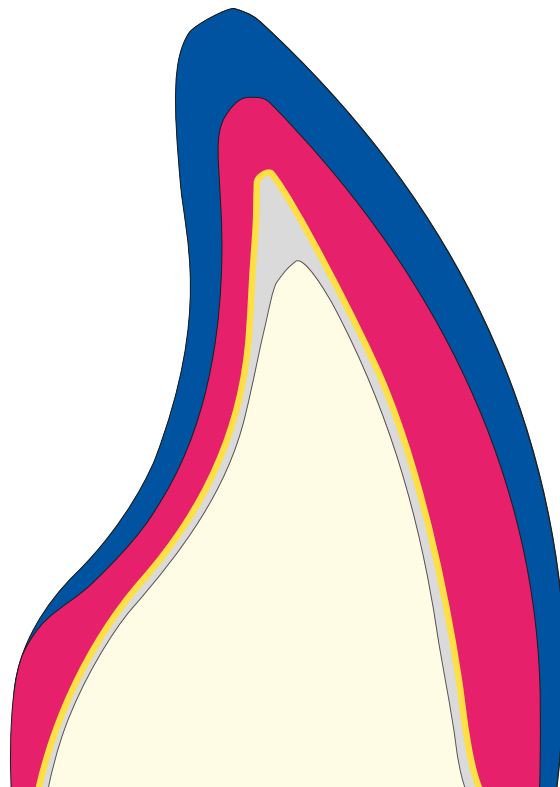
Application of 1st opaque layer approx. 70% opaque / Picture: ZTM Axel Gütges



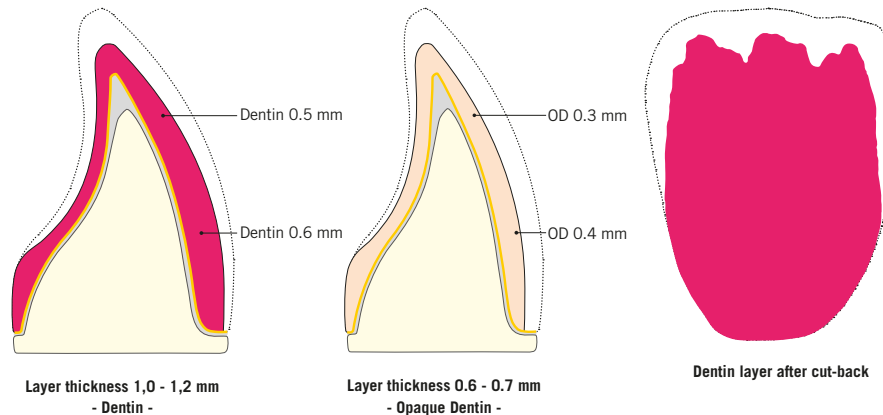
Bridge after 2nd opaquer firing / Photo: ZTM Axel Gütges

3 BASIC Layering

With BASIC standard layering, colour wheel-identical results can be achieved with the smallest amount of effort and in the shortest time.



3.1 BASIC - Dentin / Opaque Dentin



APPLICATION

Cover anatomical form with Dentin.
In the case of tight spatial conditions (layer thickness 0.6 - 0.7mm), Opaque Dentin is used instead of Dentin.

PROCESSING

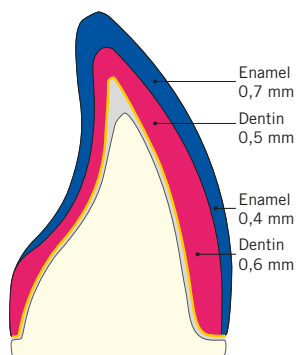
- Mix the Dentin/Opaque Dentin with Modelling Liquid to form a creamy consistency
- Apply the Dentin/Opaque Dentin to create the desired tooth form
- Reduce the incisal area (cut-back)

MATERIALS USED

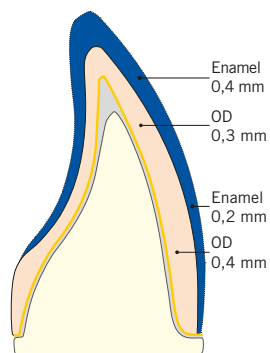
- Dentin/Opaque Dentin
- Modelling Liquid



3.2 BASIC - Enamel / 1. Dentin firing



Dentin: Layer thickness
1,0 - 1,2 mm



Opaque Dentin:
Layer thickness
0,6 - 0,7 mm



APPLICATION

Build up the tooth form with Enamel. Standard Enamel shades are based on a classical layering diagram.

PROCESSING

- Choose the Enamel material according to the colour matching table
- Mix the Enamel with Modelling Liquid to form a creamy consistency

MATERIALS USED

- Enamel
- Modelling Liquid



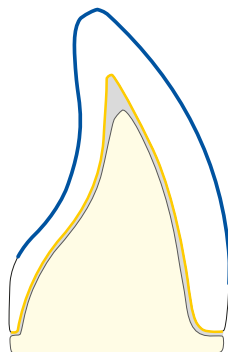
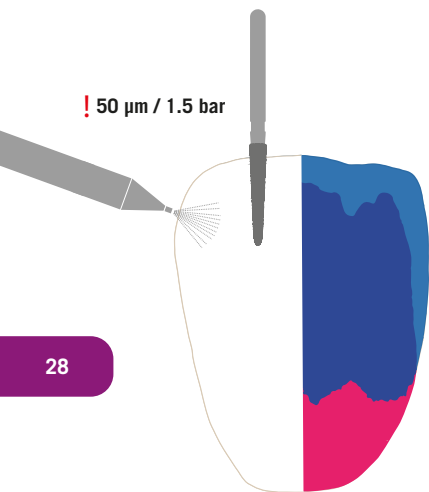
FIRING

- Carry out 1. Dentin firing according to furnace-specific firing parameters



3.3 BASIC - Enamel / 2. Dentin firing

! 50 µm / 1.5 bar



28

APPLICATION

For form correction and shrinkage compensation after the first firing, build up the tooth form with Enamel and carry out a 2. Dentin firing in accordance with the firing parameters.

PROCESSING

- Mix the Enamel with Modelling Liquid to form a creamy consistency
- Roughen the surface by sanding the fired crown with a diamond abrasive head and/or sandblast with 50 µm aluminium oxide and 1.5 bar pressure
- Fill out the tooth form using Enamel

MATERIALS USED

- Enamel
- Modelling Liquid

FIRING

- Carry out 2. Dentin firing according to furnace-specific firing parameters



3.4 BASIC - Glaze firing



GLAZE FIRING WITHOUT GLAZE PASTE

- Create the final contours of the crown/bridge with diamond or carbide abrasive head and polish to the desired gloss level with the rubber polisher. Then clean with steam jet.
- Carry out Glaze firing (without Glaze Paste) in accordance with furnace-specific parameters

GLAZE FIRING WITH GLAZE PASTE

- Create the final contours of the crown/bridge with diamond or carbide abrasive head and clean with steam jet.
- Apply a thin layer of InSync “one-for-all” Glaze Paste or a mixture of Glaze Powder mixed with Stain/Glaze Liquid.
- Carry out Glaze firing (with Glaze Paste) in accordance with furnace-specific parameters

MATERIALS USED

- InSync Glaze
- Stain / Glaze Liquid



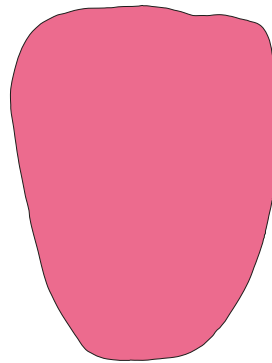
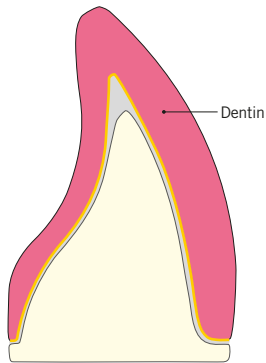
4 HYBRID Technique

Super smart and super simple - the hybrid technique. The combination of InSync MC veneering ceramic for building up the tooth shape and MiYO color masses for chromatic and esthetic design of the restoration, combine efficiency and natural esthetics.





4.1 Built-up fully anatomical tooth form



PROCESSING

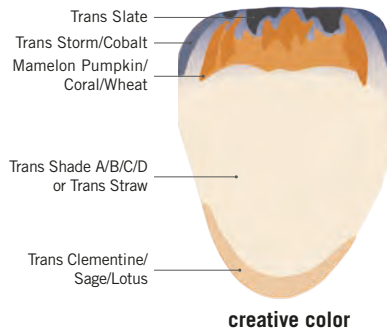
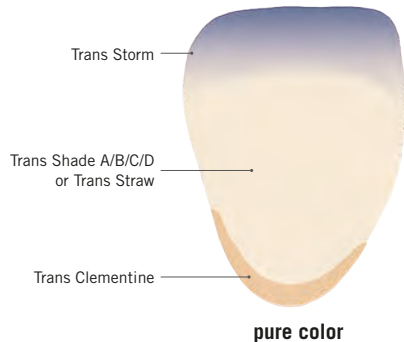
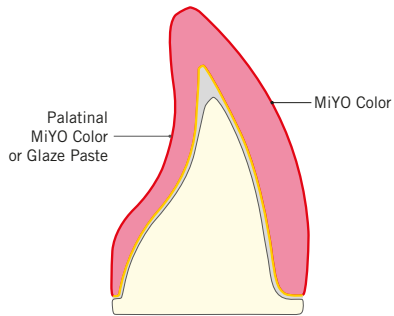
- Mix Dentin with Modelling Liquid to form a creamy consistency
- Fully anatomical build-up of the tooth shape with dentin. Slightly overcontour before firing
- Carry out 1. Dentin firing according to furnace-specific firing parameters
- Possible shape correction
- Carry out 2. Dentin firing according to furnace-specific firing parameters

MATERIALS USED

- InSync MC Dentin
- InSync Modelling Liquid



4.2 Coloring with MiYO



PREPARATION

- Finish the crown, taking into account the space requirement of 0.1mm for MiYO Color masses.
- Mix MiYO Color thoroughly with a metal free spatula.

COLORING

- Colorize the entire labial area with MiYO Color. For the palatinal area use either MiYO Color or Glaze Paste.
- pure color: Colorize the entire labial area in three color zones: Trans Shade A/B/C/D or Trans Straw, set occlusal accents with Trans Storm and cervical accents with Trans Clementine.
- creative color: characterize individually with mamelon, halo, effect material and value enhancer.

FIRING

- Carry out MiYO finishing firing according to furnace-specific firing parameters.

MATERIALS USED

- MiYO Trans Shade A, B, C, D / Trans Straw
- MiYO Trans Storm / Cobalt
- MiYO Trans Clementine / Sage / Lotus
- MiYO Mamelon Pumpkin / Coral / Wheat
- MiYO Trans Slate
- InSync Glaze Paste
- InSync Stain/Glaze Liquid

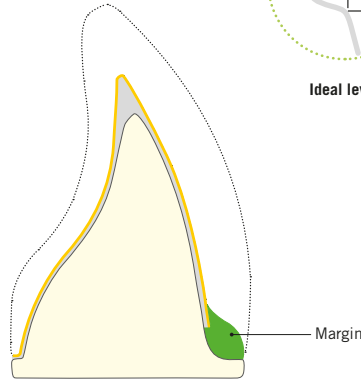
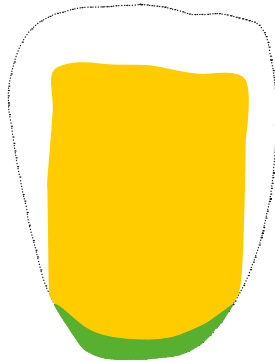
► FINISHING CHAPTER 7

5 ADVANCED Layering

Work with the ADVANCED layering technique to achieve individual, creative results.



5.1 ADVANCED - Margin



APPLICATION

In order to achieve the flow of light into the gingiva, highly fluorescent Margin materials are used.

PROCESSING

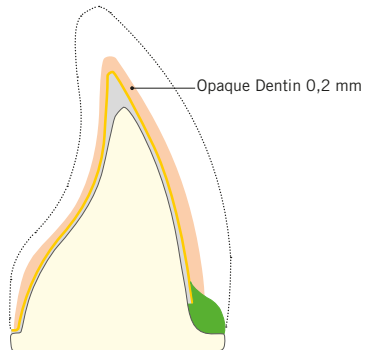
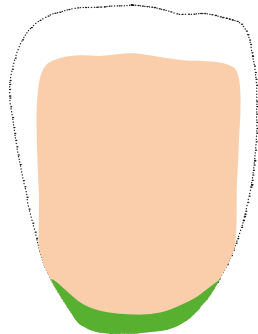
- Reduce the framework in accordance with the depth of the level
- Mix the fluorescent Margin material with Margin Liquid
- Separate the die before placing framework with margin separator
- Apply the Margin material
- Dry with hot air dryer
- Carry out 1. Margin firing according to furnace-specific firing parameters
- Correct the ceramic shoulder with Margin
- Carry out 2. Margin firing according to furnace-specific firing parameters

MATERIALS USED

- Margin
- Margin Liquid



5.2 ADVANCED - Opaque Dentin



APPLICATION

Opaque Dentin is used to conceal the framework. By varying the layer thickness of Opaque Dentin, brightness (value) and colour intensity (chroma) can be managed.

PROCESSING

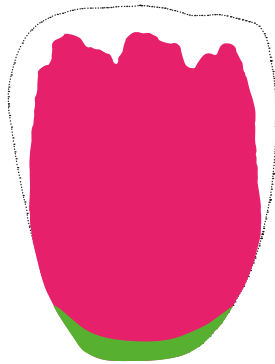
- Mix Opaque Dentin with Modelling Liquid to form a creamy consistency
- Apply the Opaque Dentin
- Only apply a reduced tooth form to conceal frame

MATERIALS USED

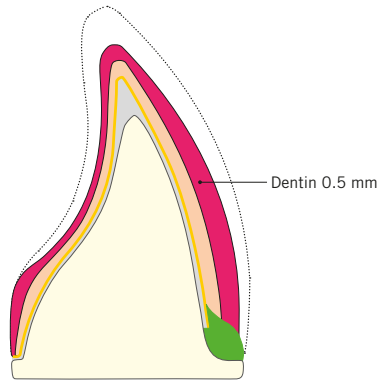
- Opaque Dentin
- Modelling Liquid



5.3 ADVANCED - Dentin



Dentin layer after Cut-Back



APPLICATION

Apply Dentin to anatomical form. Modifier material can be mixed with the Dentin to individualise the result.

PROCESSING

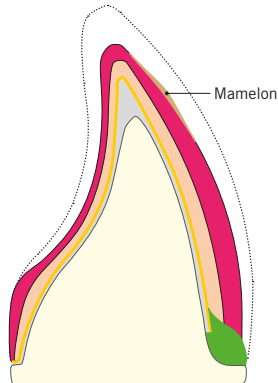
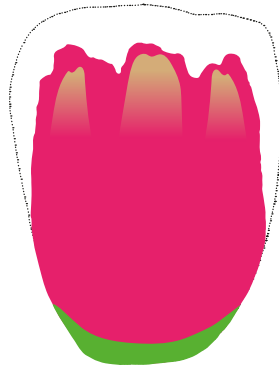
- Mix Dentin with Modelling Liquid to form a creamy consistency
- Apply Dentin to create the desired tooth form
- Reduce the incisal area (cut-back)

MATERIALS USED

- Dentin
- Optional: Modifier
- Modelling Liquid



5.4 ADVANCED - Mamelon



APPLICATION

The Mamelon materials with high opacity and high chroma are available in salmon, orange, yellow, ivory and teak.

PROCESSING

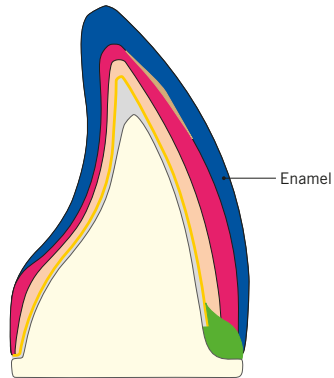
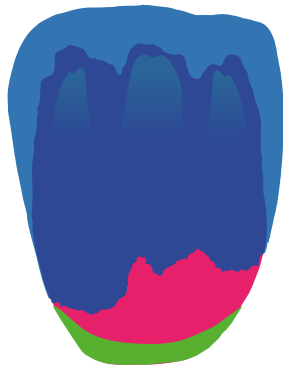
- Mix Mamelon material with Modelling Liquid
- Apply Mamelon material thinly in the incisal third
- By varying the layer thickness, the intensity of the mamelons can be regulated

MATERIALS USED

- Mamelon
- Modelling Liquid



5.5 ADVANCED - Enamel



APPLICATION

For individualising the incisal area.

PROCESSING

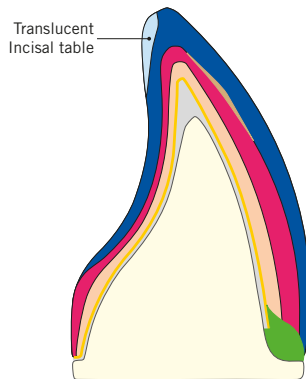
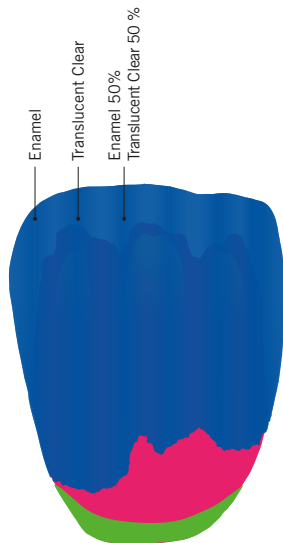
- Mix Enamel with Modelling Liquid to form a creamy consistency
- Apply Enamel to create the desired tooth form

MATERIALS USED

- Enamel
- Modelling Liquid



5.6 ADVANCED - Translucent



APPLICATION

Build up the tooth form by overlaying with Enamel, Translucent Clear and a mixture (50:50) of Enamel and Translucent Clear. Due to the low shrinkage rate, overcontouring is not necessary.

PROCESSING

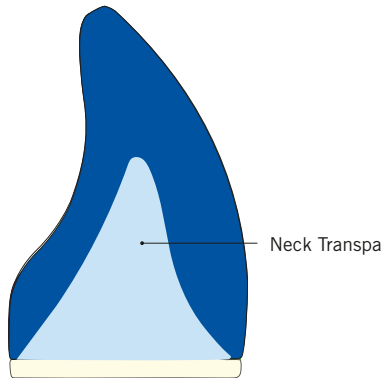
- Mix materials with Modelling Liquid
- Build palatal area with Translucent, and Neck Transpa to create an incisal table

MATERIALS USED

- Enamel
- Translucent
- Modelling Liquid



5.7 ADVANCED - Neck Transpa / 1. Dentin firing



APPLICATION

Neck Transpas are used to intensify the flow of light and support the chroma. In the posterior region, the neck transpa can be used as an occlusal support.

PROCESSING

- Mix Neck Transpa with Modelling Liquid
- Apply Neck Transpa to the proximal areas

MATERIALS USED

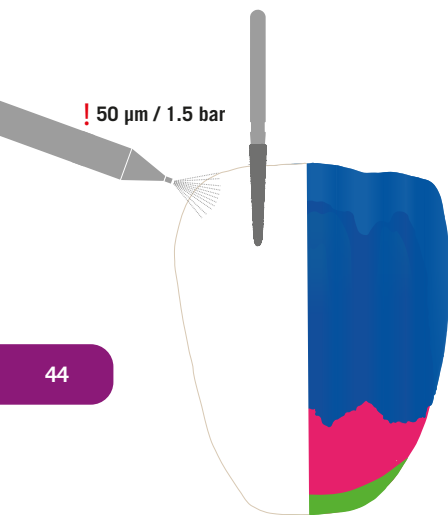
- Neck Transpa
- Modelling Liquid



FIRING

- Carry out 1. Dentin firing according to furnace-specific firing parameters

5.8 ADVANCED 2. Dentin firing



APPLICATION

For form correction and shrinkage compensation after the first firing, the materials can be added in accordance with the previous layering and a second Dentin firing can be carried out.

PROCESSING

- Mix the materials with Modelling Liquid to form a creamy consistency
- Roughen the surface by sanding the fired crown with a diamond abrasive head and/or sandblast with 50 µm aluminium oxide and 1.5 bar pressure
- Fill out the tooth form using the respective materials

FIRING

- Carry out 2. Dentin firing according to furnace-specific firing parameters

5.9 ADVANCED - Glaze Firing



GLAZE FIRING WITHOUT GLAZE PASTE

- Create the final contours of the crown/bridge with diamond or carbide abrasive head and polish to the desired gloss level with the rubber polisher. Then clean with steam jet.
- Carry out Glaze firing (without Glaze Paste) in accordance with furnace-specific parameters

GLAZE FIRING WITH GLAZE PASTE

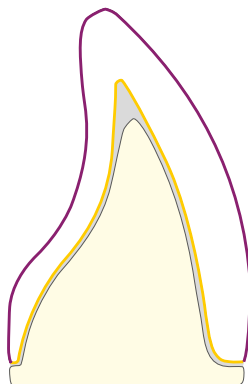
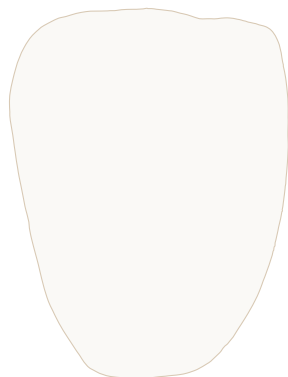
- Create the final contours of the crown/bridge with diamond or carbide abrasive head and clean with steam jet.
- Apply a thin layer of InSync "one-for-all" Glaze Paste or a mixture of Glaze Powder mixed with Stain/Glaze Liquid.
- Carry out Glaze firing (with Glaze Paste) in accordance with furnace-specific parameters

MATERIALS USED

- InSync Glaze
- Stain/Glaze Liquid



5.10 ADVANCED - Correction



APPLICATION

Correction Dentin or Correction Enamel is used for correction work after completion of the crown.

PROCESSING

- Mix Correction Dentin / Correction Enamel with Modelling Liquid to form a creamy consistency
- Apply where necessary

MATERIALS USED

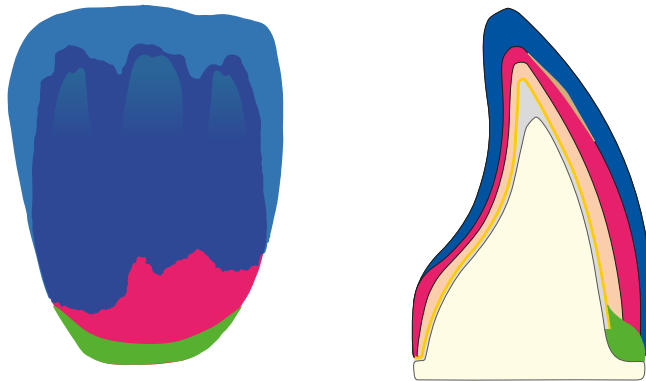
- Correction Dentin
- Correction Enamel
- Modelling Liquid



FIRING

- Carry out Correction firing according to furnace-specific firing parameters

6 BLEACH Layering



APPLICATION

Use of BLEACH materials in accordance with the BASIC layering technique. All individualisation is to be carried out in the same way as described in the section on ADVANCED layering.

MATERIALS USED

- Bleach Dentin
- Bleach Enamel
- For individualisation - all materials used in ADVANCED layering
- Modelling Liquid



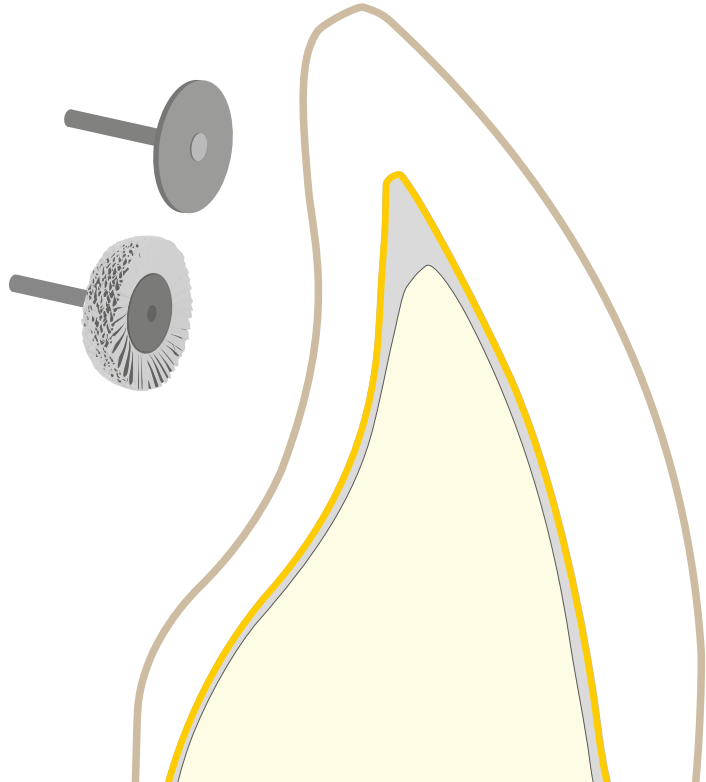
FIRING

Firing is to be carried out as described for the respective materials under the sections on BASIC and/or ADVANCED layering techniques

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7 Finishing

After Glaze Firing, the crown's degree of gloss can be regulated using the polishing device and pumice powder, or with a hand-held polisher and diamond polishing paste.





8 Notes

8.1 General notes

The current instruction manual can be found on the Jensen GmbH website in the download centre (www.jensendental.de/de/download or www.miyoworld.eu/de/download).

Observe the safety data sheets, which are available on the Jensen GmbH website at www.jensendental.de in the download centre.

In the event of serious incidents which have occurred in connection with the product, contact Chemichl AG, Landstrasse 114, 9490 Vaduz/Liechtenstein, website: www.chemichl.com and your competent health authority.

The Summary of Safety and Clinical Performance (SSCP) can be downloaded from the European Medical Devices Database (EUDAM). European Database for Medical Devices (EUDAMED) at <https://ec.europa.eu/tools/eudamed>. Base UDI-DI: 042520058001H8

8.2 Warning notes concerning processing procedure

- Intended for dental use only.
- The application may only be carried out by trained professionals.
- Dust and splinters may occur during the finishing of ceramic restorations (grinding, polishing). Protect eyes and avoid inhalation of grinding dust. Use of a suction device or wearing a protective mask and goggles is recommended.
- Avoid contact of material with skin, mucous membranes and eyes. Be careful when handling the high temperatures during firing, there is a risk of burns, use gloves if necessary.
- Due to the different designs of ceramic kilns on the market, there are sometimes different firing conditions. This fact must be taken into account and clarified by the customer on his own responsibility. The stated firing temperatures are only guide values.
- Careful attention must be paid to the cleanliness of the brush or spatula. Any external contamination can have a negative influence on the firing result. Danger of contamination!
- Once powder has been mixed or has come into contact with liquid/moisture, it must not be put back into the tin. Do not allow the powder to come into contact with a wet brush or wet instruments in the powder container. Risk of contamination
- When working with the frameworks, please follow the recommendations of the respective material manufacturer. The recommendations and notes in the corresponding instructions for use must be observed.
- KEEP CLOSED



8.3 Disposal

Small quantities can be deposited in household waste. Remaining stocks or removed restorations must be disposed in accordance with national legal requirements.

8.4 Residual risks

Users should be aware that there are generally certain risks associated with dental procedures in the oral cavity: Chipping or/and fracturing of the restorative material can lead to swallowing of material and a renewed dental treatment.

8.5 Storage and keeping conditions

No special storage and keeping conditions necessary.

8.6 Disclaimer

We accept no liability for damage resulting from improper processing or other use. This material is exclusively intended for dental use. Before using it, the user undertakes to check the suitability of the product for its intended use. Any liability on our part is excluded if the product is processed in incompatible or non-permissible combination with materials of other manufacturers. Furthermore, our liability is limited to the correctness of this information, irrespective of the legal grounds and, as far as legally permissible, in any case to the delivered material value before VAT.

8.7 Copyright

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9 Manufacturer and Sales

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