

ceraMotion®
One Touch **No Limits**



*Pastes
2D-3D...*

Instructions for use

The aesthetic finish for all-ceramic restorations
(zirconium oxide and lithium disilicate)

world first

Dear Customer,

By choosing Dentaaurum products, you have opted for carefully coordinated quality products for the production of aesthetic ceramics.

To produce good results with ceramics, it is essential to closely follow the instructions for use for zirconium oxide and lithium disilicate.

In this brochure you will find many practical tips on how to avoid mistakes when processing our products as well as information on possible causes for errors.

Should you have any further questions, please do not hesitate to contact us for advice.

In case of questions or ideas, please contact your local representative.

You can find information and instructions for the use of the Dentaaurum ceramics systems at www.dentaaurum.com.

Our thanks go to Bassam Haddad, MDT (Canada) and Waldemar Fritzler, MDT (Germany) for kindly providing the photographs used in this brochure.

What is ceraMotion® One Touch No Limits?

ceraMotion®
One Touch **No Limits**

ceraMotion® One Touch No Limits is the first ceramic in paste for build-ups with "No Limits":

- ✓ No Limits on handling.
- ✓ No Limits on thickness.
- ✓ No Limits on shading.
- ✓ No Limits on mixing.



ceraMotion® One Touch No Limits complements ceraMotion® One Touch and ceraMotion® One Touch Pink and includes the first 3D Dentins in paste form.

ceraMotion® One Touch No Limits contains ready-to-use color-coordinated 2D and 3D pastes specially developed to go a step further in the aesthetics of all-ceramic restorations and recreate in-depth effects of the natural teeth.

- ✓ Ready-to-use.
- ✓ Fluorescent.
- ✓ Easy. Quick. Aesthetic.



No Limits on the aesthetic finish of all-ceramic restorations.

*VITA and VITA 3D-Master® are registered trademarks by Vita Zahnfabrik H. Rauter GmbH & Co., Bad Säckingen, Germany

ceraMotion® One Touch No Limits Set
(REF 250-801-70) contains all the individual
components.



Description	Contents	REF
2D PASTE		
ceraMotion® Paste 2D Incisal I2	3 g	250-315-03
ceraMotion® Paste 2D Incisal I3	3 g	250-316-03
ceraMotion® Paste 2D Body R	3 g	250-317-03
ceraMotion® Paste 2D Body L	3 g	250-318-03
ceraMotion® Paste 2D Body R+	3 g	250-319-03
ceraMotion® Paste 2D Body orange	3 g	250-320-03
3D PASTE		
ceraMotion® Paste 3D Dentin bleach	3 g	250-293-03
ceraMotion® Paste 3D Dentin light	3 g	250-294-03
ceraMotion® Paste 3D Dentin medium	3 g	250-295-03
ceraMotion® Paste 3D Dentin dark	3 g	250-296-03
ceraMotion® Paste 3D transpa	3 g	250-297-03
ceraMotion® Paste 3D Incisal opal bright	3 g	250-298-03
ceraMotion® Paste 3D I3	3 g	250-299-03

Description	Contents	REF
BRUSHES		
2D Brush	1 piece	260-905-20
3D Brush	1 piece	260-906-20
LIQUIDS		
Diluting Liquid	10 ml	254-012-01
Refreshing Liquid	10 ml	254-014-01
GLAZE		
ceraMotion® Zr Paste Glaze bright	3 g	250-272-03
STAINS UNIVERSAL		
Stains ST white	3 g	254-201-02
Stains ST I red brown	3 g	254-212-02

ceraMotion® One Touch Pastes overview.

All the ceraMotion® One Touch 3D and 2D Pastes, liquids and ceraMotion® Stains Universal can be freely mixed with one another to create your own range of shades.

2D PASTE

	Paste 2D body A	Paste 2D body B	Paste 2D body C	Paste 2D body D	Paste 2D white	Paste 2D grey	Paste 2D honey	Paste 2D blue	Paste 2D violet	Paste 2D Incisal I2	Paste 2D Incisal I3	Paste 2D Body R	Paste 2D Body L	Paste 2D Body R+	Paste 2D Body orange
ceraMotion® One Touch	✓	✓	✓	✓	✓	✓	✓	✓	✓						
ceraMotion® One Touch No Limits										✓	✓	✓	✓	✓	✓
ceraMotion® One Touch Pink															

3D PASTE

Paste 3D I2	✓		
Paste 3D lumin	✓		
Paste 3D neutral	✓		
Paste 3D opal blue	✓		
Paste 3D opal grey	✓		
Paste 3D opal honey	✓		
Paste 3D Dentin bleach		✓	
Paste 3D Dentin light		✓	
Paste 3D Dentin medium		✓	
Paste 3D Dentin dark		✓	
Paste 3D transpa		✓	
Paste 3D Incisal opal bright		✓	
Paste 3D I3		✓	
Paste 3D Gingival 1			✓
Paste 3D Gingival 2			✓
Paste 3D Gingival 3			✓
Paste 3D Gingival 4			✓
3D Gingival white			✓
Paste 3D Gingival transpa			✓
Paste 3D Gingival Modifier			✓

Steps from beginning to end.



1

Basic

Framework preparation

- Lithium disilicate
Blast with Al₂O₃ 50 µm/
1–2 bar, steam-clean
(blasting abrasive, REF 128-017-00).
- Zirconium oxide
(Prepare according to
manufacturer's instructions).

2

Basic T1

Apply Zr Paste Glaze

The crown must be completely covered by a thin layer of Paste Glaze. Use classical Paste Glaze transpa (REF 250-271-03) or Paste Glaze bright (REF 250-272-03) depending on the brightness value you need.

3

Individual T2

Apply 2D and 3D paste

You can use the enclosed brush (3D Brush, REF 260-906-20).

T1 If needed Paste Glaze can be replaced by any 2D Paste.

T2 Use the ceraMotion® One Touch Diluting and Refreshing Liquids (REF 254-012-01 and REF 254-014-01) with No Limits to adapt the viscosity.

4



Basic

First firing

Fire the finished restoration at
730 °C / 1346 °F.
You can find the Firing Chart
on page 20.

5



Individual

Corrections (optional)

- 2D pastes
- 3D pastes
- Paste Glaze or
Paste Glaze bright

6

7



Individual

Second firing

Fire the finished restoration
at 720 °C / 1328 °F.

Finished!

ceraMotion® Zr Paste Glaze bright.

ceraMotion® Zr Paste Glaze bright is a ready-to-use fluorescent paste glaze to seal the surface of the restoration and to increase the brightness of the shade.

Only one bake is necessary for a homogeneous result. The new Paste Glaze bright has the same consistency as ceraMotion® Zr Paste Glaze transpa (REF 250-271-03). To adapt the brightness value choose between the two Paste Glaze (transpa and bright).

Advantages of ceraMotion® Zr Paste Glaze bright:

- ✓ Adapt the brightness value of your restorations.
- ✓ One bake to achieve a homogeneous glaze level.
- ✓ Fluorescence for a natural appearance.
- ✓ Optimized wettability of all-ceramic frameworks.
- ✓ Recommended especially for bright and bleach shades.



ceraMotion® Zr Paste Glaze transpa



ceraMotion® Zr Paste Glaze bright

How to use ceraMotion® Zr Paste Glaze bright.

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ceraMotion® Zr Paste Glaze bright

- Choose the glaze depending on the required brightness value.
- Apply a thin layer for a perfect shine without losing the prepared surface structure.
- The glaze degree can be adjusted by lowering or increasing glaze temperature or polishing with a rubber. ^{T3}



Basic

*ceraMotion® Zr
Paste Glaze bright*



ceraMotion® Zr Paste Glaze bright *ceraMotion® Zr Paste Glaze transpa*

^{T3} The covering can be partial or complete depending on the type of build-up.

ceraMotion® One Touch 2D Pastes

No Limits on mixing – No Limits on shading.

Benefits of ceraMotion® One Touch 2D Pastes:

- ✓ New colored 2D Pastes to achieve required VITA 3D-Master®** colors (Body L, Body R, Body R+, Body orange).
- ✓ New incisal 2D Pastes (I2 and I3) to create natural in-depth effect illusion on incisal area.
- ✓ Create your own shades by mixing with all 2D Pastes and ceraMotion® Stains Universal.
- ✓ The translucency of the 2D Pastes maintains the light dynamics.
- ✓ The fluorescence of the pastes is adapted to give a natural appearance to all-ceramic restorations.



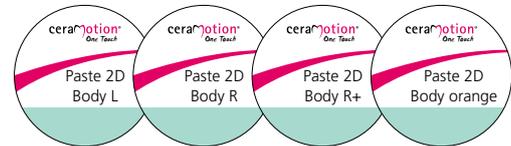
Specially developed 2D Body pastes to achieve all VITA 3D-Master®** shades.

ceraMotion® One Touch 2D Body L, 2D Body R, 2D Body R+, 2D Body orange

Finishing colored 2D Pastes to achieve required 3D-Master

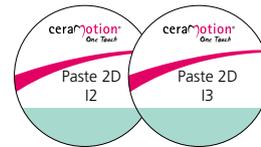
VITA* shades (see page 22 color-coordination table).

These 2D Pastes are developed to modify your shade in a more reddish or yellowish direction. VITA 3D-Master** R shades can be achieved with these pastes.



ceraMotion® 2D Paste I2 and I3

Finishing pastes to apply in thin layer to create in-depth effect.



Tip: Use the ceraMotion® One Touch Set already available:

For perfect results please use the original 3D Pastes from ceraMotion® One Touch.

Finishing pastes to achieve required VITA* colors A-D (Body A, B, C, D).

Modify level of brightness (2D white and grey).

Characterize incisal area (violet, grey, honey, blue, white).

ceraMotion® One Touch Set (REF 250-800-70).

ceraMotion®
One Touch

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How to use ceraMotion® One Touch No Limits 2D Pastes.

1

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3



Individual

*2D Paste
Body L, R, R+ &
orange*

Follow the steps:

1. To find the right 2D Paste (Body and Incisal) according to the required shade, see color combination table page 22.
2. Apply a thin layer of 2D Paste on the crown.
3. One bake technique: Body shade and incisal can be achieved within one bake.
4. Two bakes technique: 2D Pastes can be fixed in one bake, the crown can be improved with 3D Paste Incisal and Dentin.



Rasmus Hedberg

4

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7

2D Body Pastes for 3D-Master shades.



2D Body L

To shift the shade toward yellow.



2D Body R

To shift the shade toward red.



2D Body orange

To shift the shade toward orange.



2D Body R+

To shift the shade toward red.

ceraMotion® One Touch No Limits 3D Pastes.

Benefits of ceraMotion® One Touch No Limits 3D Pastes:

- ✓ Create a very natural morphology and precise contact points matching natural dentition thanks to the first dentins and incisals in pastes.
- ✓ Selection of 3D Dentin pastes matching your framework shades naturally.
- ✓ 3D Dentins can be mixed with all ceraMotion® One Touch 2D and 3D Pastes and ceraMotion® Stains Universal to extend the range of shades.
- ✓ The new 3D Pastes Incisal complete the range of the ceraMotion® One Touch incisal pastes (see the portfolio overview on pages 6 + 7).
- ✓ Translucency and opalescence of 3D Pastes create a natural in-depth effect.
- ✓ The fluorescence of the ceraMotion® One Touch No Limits Pastes makes the restoration look natural.

Tip: Use the ceraMotion® One Touch Set already available:

For perfect results please use the original 3D Pastes from ceraMotion® One Touch.

Incisal Illumin and I2.

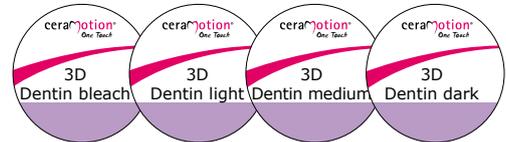
Opalescent 3D Pastes honey, grey, blue.

Paste 3D neutral.

ceraMotion®
One Touch

ceraMotion® 3D Paste Dentin bleach,
light, medium, dark

Dentins in paste for layering and with translucency for a natural in-depth effect in one bake.

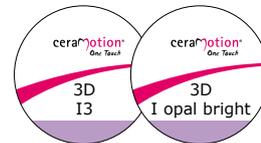


ceraMotion® 3D Paste I3, I opal bright

Incisals in paste form for layering to achieve natural in-depth effect.

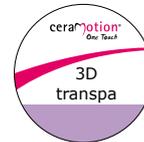
The 3D Paste Incisal brightness value:

I opal bright > I lumin > I2 > I3.



ceraMotion® 3D Paste transpa

To increase translucency and mixable with all ceraMotion® One Touch 2D and 3D Pastes.



How to use ceraMotion® One Touch No Limits 3D Pastes – EXAMPLE.

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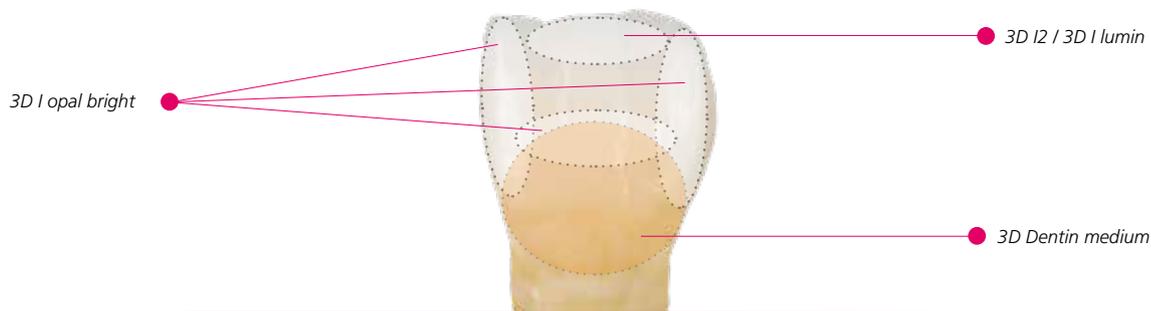


Individual

*3D Paste
Dentin , Incisal,
transpa*

Follow the steps:

1. Before applying the 3D Pastes on the framework, wet the restoration with a thin layer of ceraMotion® Zr Paste Glaze transpa or ceraMotion® Zr Paste Glaze bright.
2. Choose the dentin shade corresponding to the shade of your crown or mix the 3D Paste Dentins to create it.
3. Choose the corresponding 3D Paste Incisals I lumin, I2, I3 or Incisal opal bright.
4. Use 3D Paste Dentins + 3D Paste transpa to create individual 3D Paste colored incisals if needed.
5. 2D Pastes can be used to characterize body or incisal areas.
6. After firing you can finish your restoration by mechanical grinding. T5
7. Choose between mechanical polishing or use the quick glaze program (page 20).
8. Characterize and fire again with 2D Paste or ceraMotion® Stains Universal.



Example for positioning 3D Pastes.

T5 You can grind the surface after glazing and glaze a second time.

Fire – finished!

Examples!

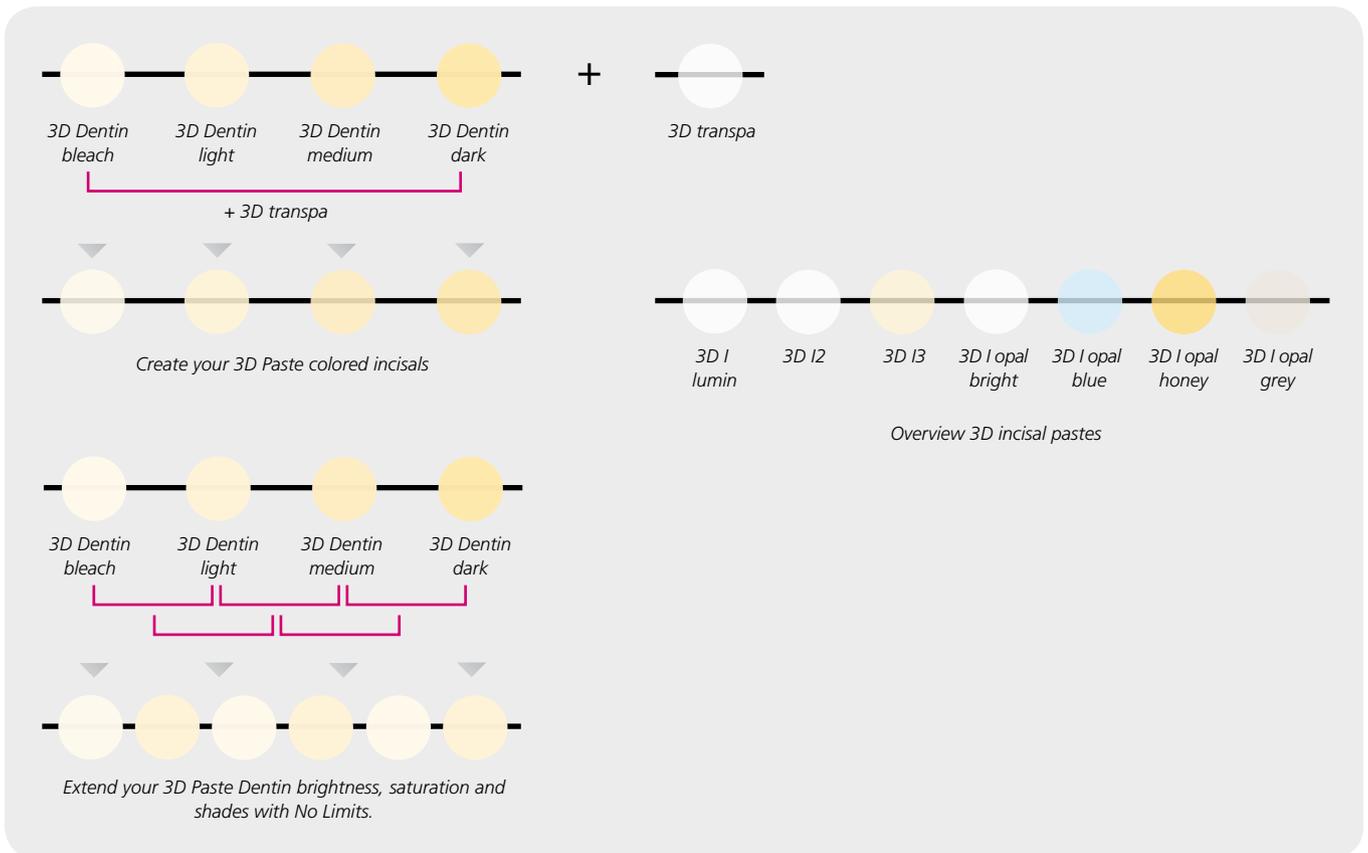
4

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ceraMotion® One Touch No Limits 3D Pastes shade combinations.



Firing Chart.

The firing temperatures indicated are guidelines. Deviations are possible for different furnaces and the values listed below may need to be altered accordingly.

We recommend you run a trial firing to find the right temperature for your furnace. This is the only way to find the right firing procedure for your furnace.

General Firing Chart

	Temperature at start (°C/°F)	Drying time (m)	Heat rate* (°C/°F per m)	Vacuum start (°C/°F)	Vacuum end (°C/°F)	Firing temperature (°C/°F)	Hold-time** (m)
First firing cM 2D and 3D Paste cM Zr Paste Glaze	450	8	55	450	730	730	1 (without vacuum)
Second firing Correction cM 2D- and 3D-Paste cM Zr Paste Glaze	450	8	55	450	720	720	1 (without vacuum)
Quick glaze firing***	450	2	99	450	710***	710***	0.5 (without vacuum)

- * Reducing the heat rate improves the firing quality in the case of large restorations.
- ** Extend the hold-time in the case of large restorations to compensate for the poor thermal conductivity of ZrO₂.
- *** Adapt the temperature.
- **** Without any paste addition. Final glaze after mechanical processing.

! Please take note of the manufacturer's instructions when creating the framework and also for baking ceramic in case of big bridge span. It is recommended to adapt the heating rate and the cooling rate depending on the type of material and the framework volume.

Processing tips.



- T1 If needed Zr Paste Glaze can be replaced by any 2D Paste.
- T2 Use with ceraMotion® One Touch Diluting or Refreshing Liquids (REF 254-012-01 and REF 254-014-01) to thin 2D and 3D Pastes to adapt the viscosity.
- T3 The covering can be partially or completely veneered depending on the type of build-up.
Mix with No Limits to adapt the brightness, color saturation and shades of the 3D Dentin pastes.
- T5 You can grind the surface after glazing and glaze a second time.
- T6 Adapt the drying time to your furnace if required.



Color-coordination ceraMotion® LiSi & ceraMotion® One Touch.

Table: color-coordination to reproduce all VITA 3D-Master®* shades

Tooth shade	Shade of ingot	Shade of One Touch for painting technique		Shade of Incisal
		Shade of One Touch 2D	Dilution**	
0M1	LT 02	Paste 2D white	50% Zr Paste Glaze bright	Zr Paste Glaze bright
0M2	LT 02		Zr Paste Glaze bright	Zr Paste Glaze bright
0M3	LT 02	2D Body R	95% Zr Paste Glaze transpa	Zr Paste Glaze bright
1M1	LT 11		Zr Paste Glaze bright	Zr Paste Glaze bright
1M2	LT 12		Zr Paste Glaze bright	Zr Paste Glaze bright
2L1.5	LT 21	2D Body L	75% Zr Paste Glaze transpa	2D I2
2M1	LT 21		Zr Paste Glaze transpa	2D I2
2R1.5	LT 21	2D Body R+	75% Zr Paste Glaze transpa	2D I2
2L2.5	LT 22	2D Body L	2/3 Zr Paste Glaze transpa	2D I2
2M2	LT 22		Zr Paste Glaze transpa	2D I2
2R2.5	LT 22	2D Body R	50% Zr Paste Glaze transpa	2D I2
2M3	LT 23		Zr Paste Glaze transpa	2D I2
3L1.5	LT 31	2D Body L	50% Zr Paste Glaze transpa	2D I3
3M1	LT 31		Zr Paste Glaze transpa	2D I3
3R1.5	LT 31	2D Body R	1/3 Zr Paste Glaze transpa	2D I3
3L2.5	LT 32	2D Body L	2/3 Zr Paste Glaze transpa	2D I3
3M2	LT 32		Zr Paste Glaze transpa	2D I3
3R2.5	LT 32	2D Body R	1/3 Zr Paste Glaze transpa	2D I3
3M3	LT 33		Zr Paste Glaze transpa	2D I3
4L1.5	LT 41	2D Body L	50% Zr Paste Glaze transpa	2D I3
4M1	LT 41		Zr Paste Glaze transpa	2D I3
4R1.5	LT 41	2D Body R	25% Zr Paste Glaze transpa	2D I3
4L2.5	LT 42	2D Body L	25% Zr Paste Glaze transpa	2D I3
4M2	LT 42		Zr Paste Glaze transpa	2D I3
4R2.5	LT 42	2D Body R	1/3 Zr Paste Glaze transpa	2D I3
4M3	LT 42	2/3 2D Body orange 1/3 2D Body L		2D I3
5M1	LT 41	2D Body D	50% Zr Paste Glaze transpa	2D I3
5M2	LT 42	2D Body D	25% Zr Paste Glaze transpa	2D I3
5M3	LT 42	2 layers 2/3 2D Body orange 1/3 2D Body R		2D I3

Table: color-coordination to achieve all VITA®* classical A-D shades

Tooth shade	Shade of ingot	Shade of One Touch for painting technique		Shade of Incisal
		Shade of One Touch 2D	Dilution**	
A1	LT A1		Zr Paste Glaze bright	Zr Paste Glaze bright
A2	LT A2		Zr Paste Glaze transpa	Zr Paste Glaze bright
A3	LT A3		Zr Paste Glaze transpa	2D I2
A3.5	LT A3.5		Zr Paste Glaze transpa	2D I2
A4	LT A4		Zr Paste Glaze transpa	2D I3
B1	LT 11	2D Body C	95% Zr Paste Glaze bright	Zr Paste Glaze bright
B2	LT B2		Zr Paste Glaze transpa	2D I2
B3	LT B3		Zr Paste Glaze transpa	2D I2
B4	LT B3	2D Body B	90% Zr Paste Glaze bright	2D I2
C1	LT 21	2D Body C	90% Zr Paste Glaze bright	2D I2
C2	LT C2		Zr Paste Glaze transpa	2D I2
C3	LT C3		Zr Paste Glaze transpa	2D I2
C4	LT C3	2D Body C	1/3 Zr Paste Glaze bright	2D I3
D2	LT 31	-	Zr Paste Glaze transpa	2D I2
D3	LT D3		Zr Paste Glaze transpa	2D I2
D4	LT C2	2D Body L	50% Zr Paste Glaze transpa	2D I2

cM LiSi existing shades

Proposal to achieve the required VITA shade.

Body R shift the shade toward reddish value;
Body R+ enlarge the red shift.
Body L shift the shade toward yellowish value.
Body orange enhance the orange shade.



*VITA classical® and VITA 3D-Master® are registered trademarks of VITA Zahnfabrik H. Rauter GmbH & Co., Bad Säckingen, Germany

**Dilution rate with Zr Paste Glaze is an approximate value and needs to be adapted to the framework. Zr Paste Glaze bright can be used to increase brightness value.

Shade Overview.



Paste 2D Body L



Paste 2D Body R



Paste 2D Body R+



Paste 2D Body orange



Paste 2D I2



Paste 2D I3



Stains ST white



Stains ST red brown



Paste Glaze bright



Paste 3D Dentin bleach



Paste 3D Dentin light



Paste 3D Dentin medium



Paste 3D Dentin dark



Paste 3D transpa



Paste 3D Incisal bright opal



Paste 3D I3

Technical data.

Classification CE 0483

ceraMotion® One Touch pastes are dental ceramics Class 1 (according to DIN EN ISO 6872:2015) for the finishing of frameworks made of zirconium oxide and lithium disilicate.

Indications

ceraMotion® One Touch No Limits are specially developed 2D and 3D pastes for the aesthetic finalization using the layering technique, cut-back technique, staining technique, characterization and glazing of ceramic materials:

- Zirconium oxide (fully anatomical, partial and full build-up with ceraMotion® Zr zirconium oxide ceramic).
- Lithium disilicate (fully anatomical, partial and full build-up with ceraMotion® Zr zirconium oxide ceramic).

They are compatible with zirconium oxide (e.g. Nacera®* Pearl Shaded, Nacera®* Pearl Multi-Shade or Nacera®* Pearl Q3) or lithium disilicate (e.g. ceraMotion® LiSi).

Contraindications

- ceraMotion® One Touch is contraindicated for all applications that are not listed under the heading "Indications".
- ceraMotion® One Touch may not be used if there is a known intolerance to any of the ingredients.

Physical data

	Test standard	Measurements	Values
Coefficient of thermal expansion	ISO 6872:2015	CTE (25 °C/77 °F - Tg) [10 ⁻⁶ K ⁻¹]	2D pastes = 8.6 3D pastes = 9.1 Paste Glaze = 8.9
Flexural strength (3 point flex test)	ISO 6872:2015	> 50 MPa	> 115 MPa
Chemical solubility	ISO 6872:2015	< 100 µg/cm ²	≈ 30 µg/cm ²
Transformation temperature (Tg)	ISO 6872:2015	–	≈ 480 °C – 490 °C

Meaning of the listed symbols.

-  Please observe the processing instructions
-  Batch number
-  Storable until (Date: Year – Month)
-   0483
- RxOnly Sale and use only to/by specialist personnel

Warning notices.

Only for dental use by a qualified expert. The user must ensure that the intended use corresponds to the manufacturer's specifications.

Measures for protection of equipment and products.

Furnaces should be maintained, cleaned, and calibrated regularly. When grinding the objects or blasting the objects, wear safety glasses and breathing protection and use a suction unit. There is a risk of combustion when firing in the furnace. Therefore, wear gloves and use tongs.

General information.

To protect the product against contamination, choose a suitable work area and use clean instruments and tools. In the processing of the medical products, products in question should be stored between 10 °C and 35 °C (50 °F and 104 °F). These non-toxic products can be disposed of without an issue if the statutory provisions are upheld.

Courses and ceraMotion® moments.

Dentaurum and our instructors place great value on hands-on courses, during which participants have the opportunity to apply what they have just learned.

Aesthetics play an important role where ceramics are concerned. We were able to put together a team of experts who are dedicated to passing on their knowledge. There are various courses in which we demonstrate how to work with the ceraMotion® system to achieve amazing, highly aesthetic results.

Visit one of our courses with top instructors e. g.: Haristos Girinis, Waldemar Fritzler, Bassam Haddad, Germano Rossi – all Master Dental Technicians. Come and see for yourself.

Be sure not to miss our ceraMotion® events and experience exciting ceraMotion® moments.

Come and enjoy an inspiring event in a wonderful atmosphere. Work with top-class instructors and listen to experienced ceramic professionals talk about their personal experiences with ceraMotion® using interesting examples from their daily work in the laboratory.

events@dentaurum.com | Online registration: www.dentaurum.com



Making good use of synergies.

Both ceraMotion® One Touch and ceraMotion® Zr veneering ceramics harmonize perfectly with lithium disilicate and zirconium oxide.

Important Dentaureum products can be combined with one another very efficiently.

A whole range of aesthetic, all-ceramic materials is available with the large selection of Nacera®* zirconium oxide blanks and ceraMotion® LiSi press ceramics.

The right material for all applications:

Material	All-ceramic	Finishing pastes	Veneering ceramics
Lithium disilicate			
Zirconium oxide			

*Nacera® is a registered trademark of Doceram Medical Ceramics GmbH, Germany.

Dentaurum Group

Germany | Benelux | España | France | Italia | Switzerland | Australia | Canada | USA
and in more than 130 countries worldwide.



DENTAURUM
QUALITY
WORLDWIDE
UNIQUE



www.dentaurum.com



Date of information: 05/19
Subject to modifications

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