



Product catalog
CAD/CAM
Materials

CLOSE TO **YOU**



Health
Canada

Santé
Canada



IDENTCERAM



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01. High Performance Ceramics

The raw materials

For us, it is a matter of course that only materials with the best properties come into consideration for dental products. The biocompatibility is the ultimate priority, in the selection of raw materials. Moreover only a high-purity, nanoscale ZrO_2 is suitable for medical use. To ensure reproducible batch stability, the raw material must indicate an extremely homogenous grain size distribution.

Chemical composition [wt.%]

	<i>DDBioZ</i>	<i>DDBioZX²</i>	<i>DDcubeONE[®]</i>	<i>DDcubeX²[®]</i>
$ZrO_2+HfO_2+Y_2O_3$	≥ 99	≥ 99	≥ 99	≥ 99
Y_2O_3	< 6	< 6	< 8	< 10
Al_2O_3	~ 0,25	≤ 0,15	< 0,1	< 0,1
Other oxides	< 0,15	< 0,15	< 0,15	< 0,15

	<i>DDBioZcolor</i>	<i>DDBioZX²color</i>	<i>DDcubeX²ML</i>
Color method Industrial precolored blanks	classic	Multi Additive Technology [®]	Multi Additive Technology [®]
Additive	Fe_2O_3	Fe_2O_3 Er_2O_4 MnO_2	Fe_2O_3 Er_2O_4 MnO_2
Colors	in 5 universal colors	in 16 VITA [®] shades + in 5 universal colors	in 7 VITA [®] shades

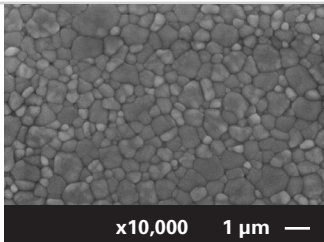
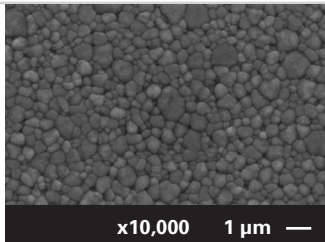
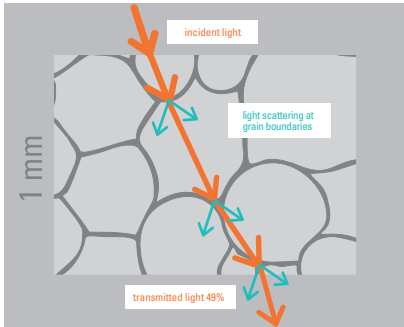
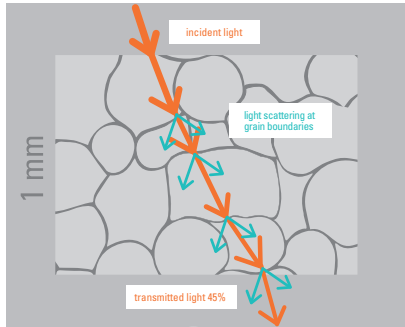
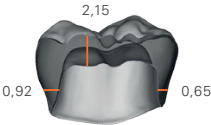
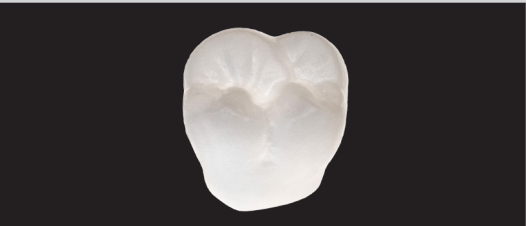
Multi Additive Technology[®]— more than just color

By using our newly developed Multi Additive Technology[®] we are able to combine biocompatible, metal-free, dye additives in a balanced concentration. While conventionally dyed blanks often indicate an exclusively yellow coloring, the by means of Multi Additive Technology[®] colored blanks, have a natural chrome based on the definition in the VITA classical[®] color scale. The natural translucency of the material is maintained.



DDcubeX² 5Y-TZP

DDcubeONE[®] 4Y-TZP

Type (acc. to ISO 6872)	type II class 4	type II class 5
SEM picture of crystal structure		
Cubic phase	~ 50%	~ 30%
Stability (3 point test)	> 750 – 800 MPa	1.000 MPa
Scheme of light refraction		
Translucency (1 mm thick)	49%	45%
		
Indications (acc. to ISO 6872)	DD cubeX ² ® can be used for all dental constructions, bridges with up to 3 units (anterior and posterior region), inlays, onlays and veneers for dental application. Consult instructions for use concerning construction parameters.	DD cube ONE [®] can be used for all dental constructions incl. bridges > 3 units with up to 2 connected pontics in the front and side tooth area. Consult instructions for use concerning construction parameters.
Coloring liquid	DD Basic Shade	DD Basic Shade
	DD Pro Shade C	DD Pro Shade Z/DD Pro Shade C
	DD Art Elements	DD Art Elements

Source: R&D Dental Direkt. Flex resistances measured in MPa in accordance with DIN EN ISO 6872 in the 3 point approach. Strengths can vary depending on the test methods and sample preparation. The values indicated in the DD processing instructions are exclusively determined by external and independent laboratories. 4-point strength values are usually lower than 3-point values. Translucency measured by means of a spectrophotometer on 1 mm thick, polished samples.

DDBioZX²

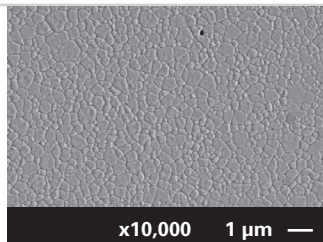
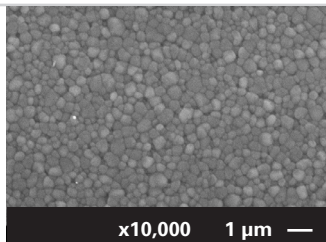
3Y-TZP-LA

DDBioZ

3Y-TZP-A

type II class 5 (ISO 13356 compliant)

type II class 5 (ISO 13356 compliant)

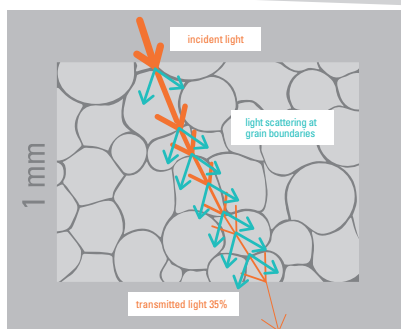
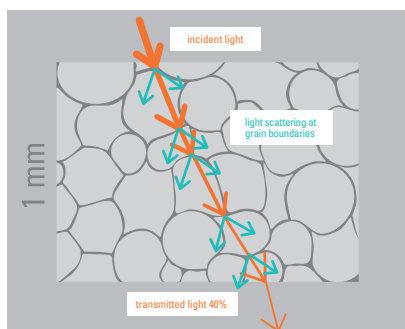


~ 0%

0%

1.250 MPa

1.400 MPa



40%

35%



DD Bio ZX² can be used for all dental constructions incl. bridges > 3 units with up to 2 connected pontics in the front and side tooth area.

Consult instructions for use concerning construction parameters.

DD Bio Z can be used for all dental constructions incl. bridges > 3 units with up to 2 connected pontics in the front and side tooth area.

Consult instructions for use concerning construction parameters.

DD Basic Shade

DD Basic Shade

DD Pro Shade Z

DD Pro Shade Z

DD Art Elements

DD Art Elements

INDICATION GUIDE FOR DENTAL DIREKT ZIRCONIA*

	 VENEERS	 INLAYS/ ONLAYS	 reduced CROWN	 full contour CROWN anterior tooth	 full contour CROWN posterior tooth	 Hybrid ABUTMENT CROWN
 Dental Direkt						
DDcubeX² DDcubeX²ML						
DDcubeONE						
DDBioZX²						
DDBioZ						

*Ideal results depend on individual circumstances.

full contour BRIDGE (3 unit)	full contour BRIDGE (> 4 unit)	reduced BRIDGE (3 unit)	reduced BRIDGE (> 4 unit)	Hybrid ABUTMENT	BAR

TRANSLUCENCY

STABILITY

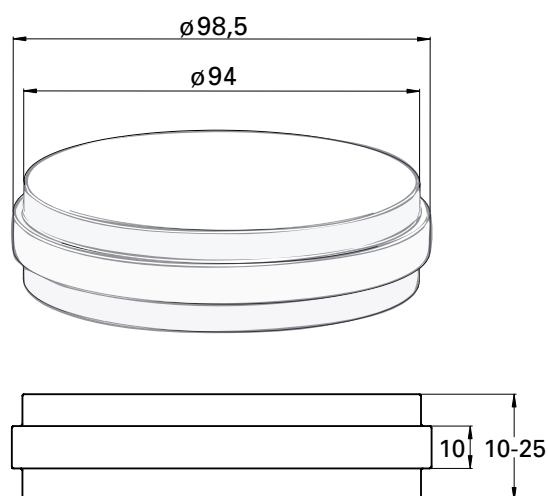
Indication guide_DD medical zirconia_Rev.03_2018/01

DDcubeX² 98

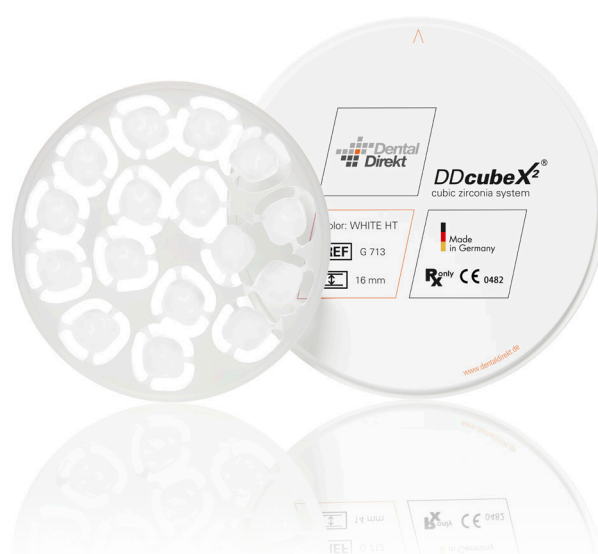
cubic zirconia system

perfectly suitable for

- high aesthetic monolithic crowns and bridges (up to 3 units, including molar restorations)
- especially for monolithic anterior restorations (bridges up to 3 units)
- cut back (one layer)
- high aesthetic veneering



Technical data	
Type	5Y-TZP
Indication ISO 6872	type II, class 4 – max. 3 unit bridges incl. molar restorations
Color	white
Aesthetics	super translucent
Sintering temperatur	1.450 °C
Bending strength	> 750 MPa
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.
DD Coloring liquids	DD Pro Shade C DD Basic Shade DD Art Elements



Height	Order-no.	Item	Price (euro/net)
10 mm	G 710	1	149,00
12 mm	G 711	1	169,00
14 mm	G 712	1	179,00
16 mm	G 713	1	199,00
18 mm	G 714	1	219,00
20 mm	G 715	1	229,00
25 mm	G 716	1	259,00

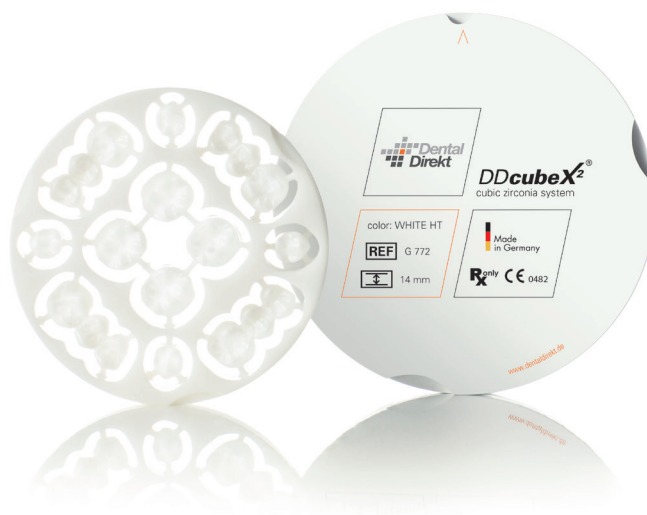
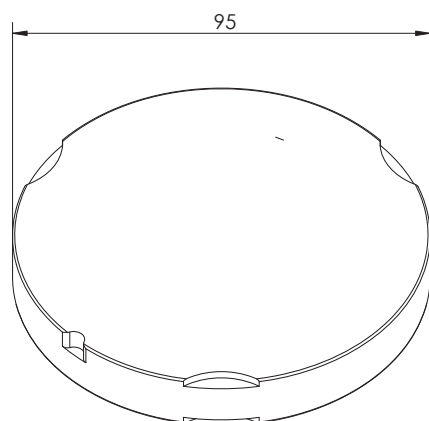
DDcubeX² 95[®]

cubic zirconia system

perfectly suitable for

- high aesthetic monolithic crowns and bridges (up to 3 units, including molar restorations)
- especially for monolithic anterior restorations (bridges up to 3 units)
- cut back (one layer)
- high aesthetic veneering

Technical data	
Type	5Y-TZP
Indication ISO 6872	type II, class 4 – max. 3 unit bridges incl. molar restorations
Color	white
Aesthetics	super translucent
Sintering temperatur	1.450 °C
Bending strength	> 750 MPa
CAM system	Zirkonzahn [®] milling system use with Z2D-App
DD Coloring liquids	DD Pro Shade C DD Basic Shade DD Art Elements



Height	Order-no.	Item	Price (euro/net)
10 mm	G 770	1	149,00
14 mm	G 772	1	179,00
18 mm	G 774	1	219,00
22 mm	G 775	1	239,00
25 mm	G 776	1	259,00

DDcubeX²ML98[®]

multilayer – cubic zirconia system

perfectly suitable for

- high aesthetic monolithic crowns and bridges (up to 3 units, including molar restorations)
- especially for monolithic anterior restorations (bridges up to 3 units)
- cut back (one layer)
- high aesthetic veneering

Technical data	
Type	5Y-TZP
Indication ISO 6872	type II, class 4 – max. 3 unit bridges incl. molar restorations
Color	precolored acc. to VITA [®]
Aesthetics	super translucent
Sintering temperatur	1.450 °C
Bending strength	> 800 MPa
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC [®] (imes-icore), Zeno [®] TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.
Multi Additive Technology [®]	reliable reproduction of color via industrial coloring



Measure	A1	A2	A3	A3,5	Price (euro/net)
98,5 x 14 mm	G852007	G852001	G852002	G852003	179,00
98,5 x 18 mm	G854007	G854001	G854002	G854003	219,00
98,5 x 22 mm	G856007	G856001	G856002	G856003	259,00



Measure	B2	C2	D3	Price (euro/net)
98,5 x 14 mm	G852004	G852005	G852006	179,00
98,5 x 18 mm	G854004	G854005	G854006	219,00
98,5 x 22 mm	G856004	G856005	G856006	259,00

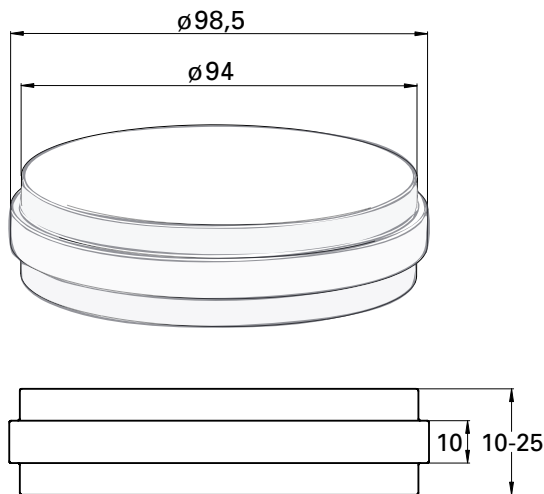
DDcubeONE®

high strength – cubic zirconia system

perfectly suitable for

- high aesthetic monolithic crowns and bridges (> 3 units)
- especially for monolithic anterior restorations (bridges > 3 units)
- cut back (one layer)
- high aesthetic veneering

Technical data	
Type	4Y-TZP
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	white
Aesthetics	extra translucent
Sintering temperatur	1.450 °C
Bending strength	> 1000 MPa
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.
DD Coloring liquids	DD Pro Shade Z DD Pro Shade C DD Basic Shade DD Art Elements



Height	Order-no.	Item	Price (euro/net)
10 mm	G820	1	149,00
14 mm	G822	1	179,00
18 mm	G824	1	219,00
20 mm	G825	1	229,00
25 mm	G826	1	259,00

DDcubeONE[®]ML

high strength – cubic multilayer

perfectly suitable for

- high aesthetic monolithic crowns and bridges (> 3 units)
- especially for monolithic anterior restorations (bridges > 3 units)
- cut back (one layer)
- high aesthetic veneering

Technical data	
Type	4Y-TZP
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	precolored acc. to VITA [®]
Aesthetics	extra translucent
Sintering temperatur	1.450 °C
Bending strength	> 1000 MPa
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC [®] (imes-icore), Zeno [®] TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.
Multi Additive Technology [®]	reliable reproduction of color via industrial coloring



Measure	A1	A2	A3	A3,5	Price (euro/net)
98,5 x 14 mm	G832007	G832001	G832002	G832003	179,00
98,5 x 18 mm	G834007	G834001	G834002	G834003	219,00
98,5 x 22 mm	G836007	G836001	G836002	G836003	259,00



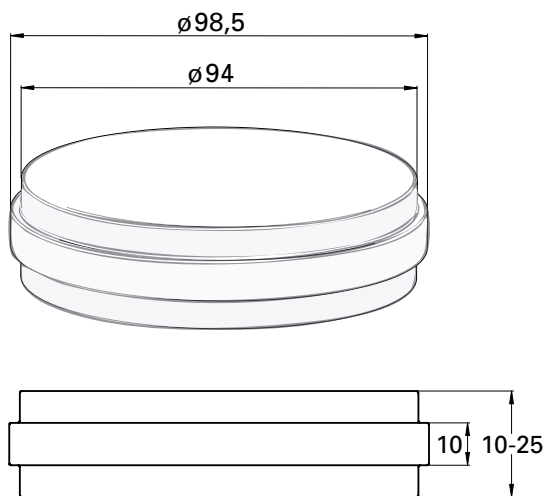
Measure	B2	C2	D3	Price (euro/net)
98,5 x 14 mm	G832004	G832005	G832006	179,00
98,5 x 18 mm	G834004	G834005	G834006	219,00
98,5 x 22 mm	G836004	G836005	G836006	259,00

DDBioZX²98

high translucent zirconia

perfectly suitable for

- monolithic crowns and bridges (of any span range)
- especially for monolithic bridges > 3 units
- cut back (one layer)
- high aesthetic veneering (of any span range)



Technical data	
Type	3Y-TZP-LA
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	white
Aesthetics	high translucent
Sintering temperatur	1.450 °C
Bending strength	1.200 (+/- 200) MPa
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.
DD Coloring liquids	DD Pro Shade Z DD Basic Shade DD Art Elements



Height	Order-no.	Item	Price (euro/net)
10 mm	G 590	1	119,00
12 mm	G 591	1	139,00
14 mm	G 592	1	149,00
16 mm	G 593	1	169,00
18 mm	G 594	1	189,00
20 mm	G 595	1	199,00
25 mm	G 596	1	229,00

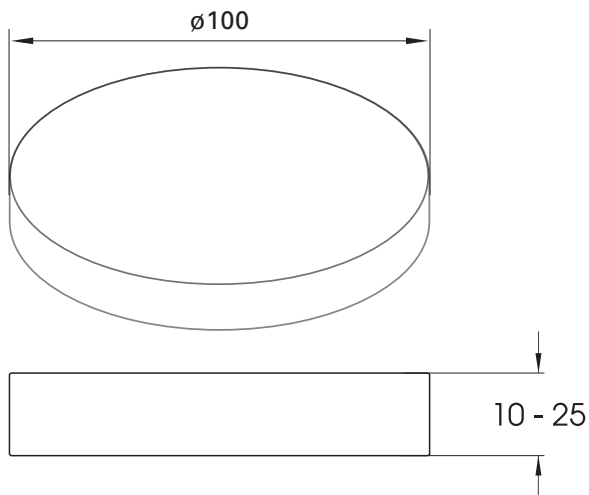
DDBioZX²100

high translucent zirconia

perfectly suitable for

- monolithic crowns and bridges (of any span range)
- especially for monolithic bridges > 3 units
- cut back (one layer)
- high aesthetic veneering (of any span range)

Technical data	
Type	3Y-TZP-LA
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	white
Aesthetics	high translucent
Sintering temperatur	1.450 °C
Bending strength	1200 (+/- 200) MPa
CAM system	Digital Dental Mill (Digital Dental Lab)
DD Coloring liquids	DD Pro Shade Z DD Basic Shade DD Art Elements



Height	Order-no.	Item	Price (euro/net)
10 mm	G 260	1	119,00
12 mm	G 261	1	139,00
14 mm	G 262	1	149,00
16 mm	G 263	1	169,00
18 mm	G 264	1	189,00
20 mm	G 265	1	199,00
25 mm	G 266	1	229,00

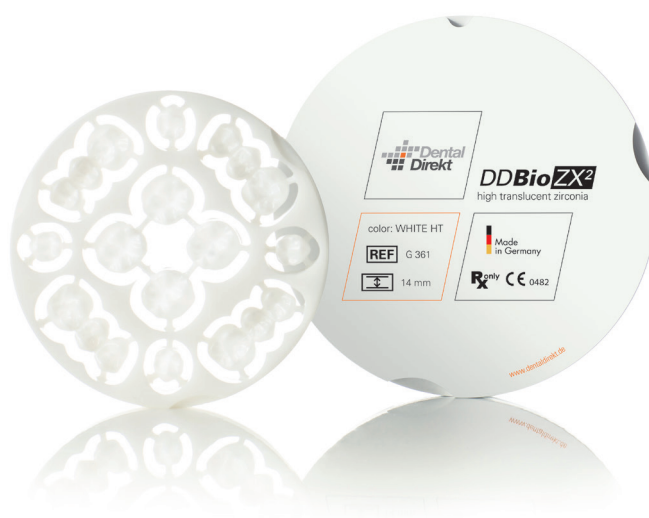
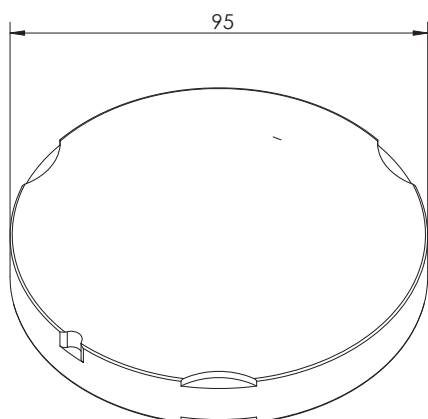
DDBioZX²95

high translucent zirconia

perfectly suitable for

- monolithic crowns and bridges (of any span range)
- especially for monolithic bridges > 3 units
- cut back (one layer)
- high aesthetic veneering (of any span range)

Technical data	
Type	3Y-TZP-LA
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	white
Aesthetics	high translucent
Sintering temperatur	1.450 °C
Bending strength	1200 (+/- 200) MPa
CAM system	Zirkonzahn® milling system use with Z2D-App
DD Coloring liquids	DD Pro Shade Z DD Basic Shade DD Art Elements



Height	Order-no.	Item	Price (euro/net)
10 mm	G 360	1	119,00
14 mm	G 361	1	149,00
18 mm	G 362	1	189,00
22 mm	G 363	1	209,00
25 mm	G 364	1	229,00

 Consult instructions for use

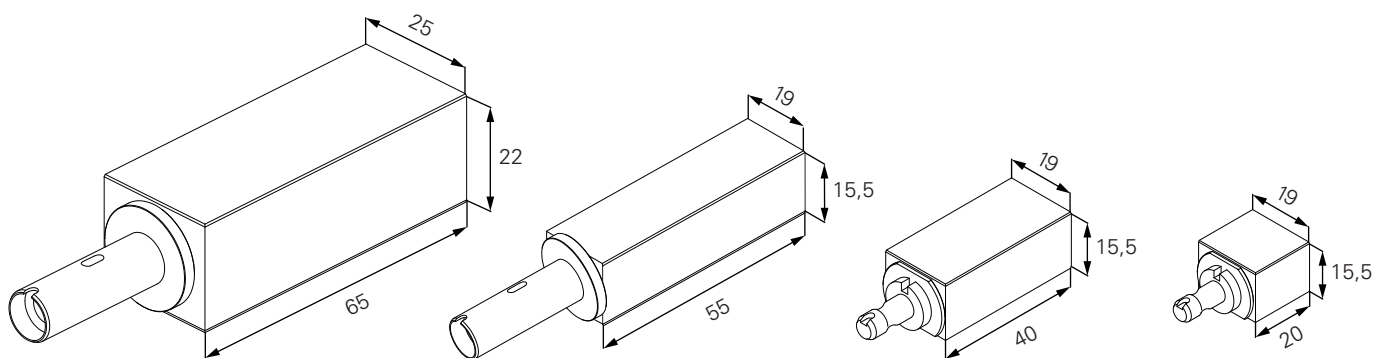
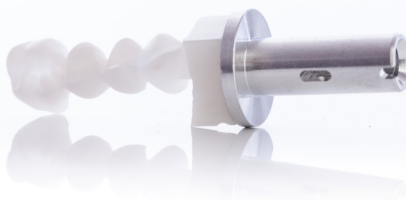
DDBioZX²19

high translucent zirconia

perfectly suitable for

- monolithic crowns and bridges (of any span range)
- especially for monolithic bridges > 3 units
- cut back (one layer)
- high aesthetic veneering (of any span range)

Technical data	
Type	3Y-TZP-LA
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	white
Aesthetics	high translucent
Sintering temperatur	1.450 °C
Bending strength	1200 (+/- 200) MPa
CAM system	Sirona inLab [®] and inLab [®] MC XL system
DD Coloring liquids	DD Pro Shade Z DD Basic Shade DD Art Elements



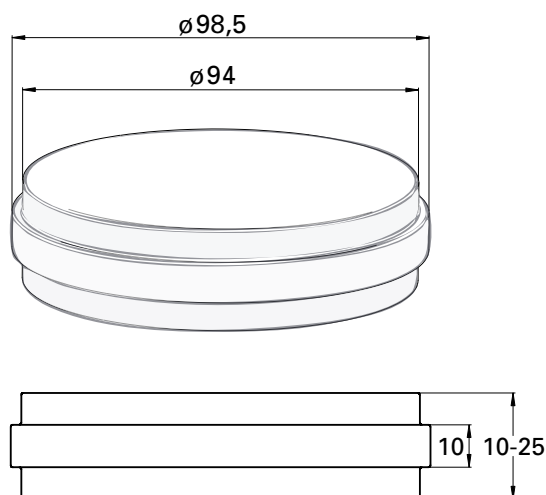
Article	DD Bio ZX ² 65/25	DD Bio ZX ² 55/19 MC XL	DD Bio ZX ² 40/19	DD Bio ZX ² 20/19
Order-no.	G 613	G 612.1	G 611	G 610
Measurements	65 x 25 x 22	55 x 19 x 15,5	40 x 19 x 15,5	20 x 19 x 15,5
Item	1	2	10	24
Price (euro/net)	89,00	99,00	249,00	319,00

DDBioZX²98color

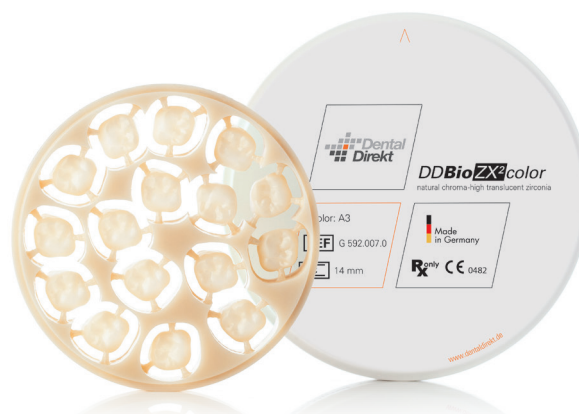
natural chroma – high translucent zirconia
according to VITA® shades

perfectly suitable for

- monolithic crowns and bridges
(of any span range)
- especially for monolithic bridges > 3 units
- cut back (one layer)
- high aesthetic veneering (of any span range)



Technical data	
Type	3Y-TZP-LA
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	precolored acc. to VITA®
Aesthetics	high translucent
Sintering temperatur	1.450 °C
Bending strength	1.200 (+/- 200) MPa
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.
Multi Additive Technology®	reliable reproduction of color via industrial coloring



Height	A1	A2	A3	A3,5	A4	Price (euro/net)
10 mm	G 590.012.0	G 590.006.0	G 590.007.0	G 590.008.0	G 590.013.0	139,00
14 mm	G 592.012.0	G 592.006.0	G 592.007.0	G 592.008.0	G 592.013.0	159,00
18 mm	G 594.012.0	G 594.006.0	G 594.007.0	G 594.008.0	G 594.013.0	199,00
20 mm	G 595.012.0	G 595.006.0	G 595.007.0	G 595.008.0	G 595.013.0	214,00
25 mm	G 596.012.0	G 596.006.0	G 596.007.0	G 596.008.0	G 596.013.0	249,00

High translucent zirconia (3Y-TZP-LA)



Height	B1	B2	B3	B4	Price (euro/net)
10 mm	G 590.014.0	G 590.009.0	G 590.015.0	G 590.016.0	139,00
14 mm	G 592.014.0	G 592.009.0	G 592.015.0	G 592.016.0	159,00
18 mm	G 594.014.0	G 594.009.0	G 594.015.0	G 594.016.0	199,00
20 mm	G 595.014.0	G 595.009.0	G 595.015.0	G 595.016.0	214,00
25 mm	G 596.014.0	G 596.009.0	G 596.015.0	G 596.016.0	249,00



Height	C1	C2	C3	C4	Price (euro/net)
10 mm	G 590.017.0	G 590.010.0	G 590.018.0	G 590.019.0	139,00
14 mm	G 592.017.0	G 592.010.0	G 592.018.0	G 592.019.0	159,00
18 mm	G 594.017.0	G 594.010.0	G 594.018.0	G 594.019.0	199,00
20 mm	G 595.017.0	G 595.010.0	G 595.018.0	G 595.019.0	214,00
25 mm	G 596.017.0	G 596.010.0	G 596.018.0	G 596.019.0	249,00



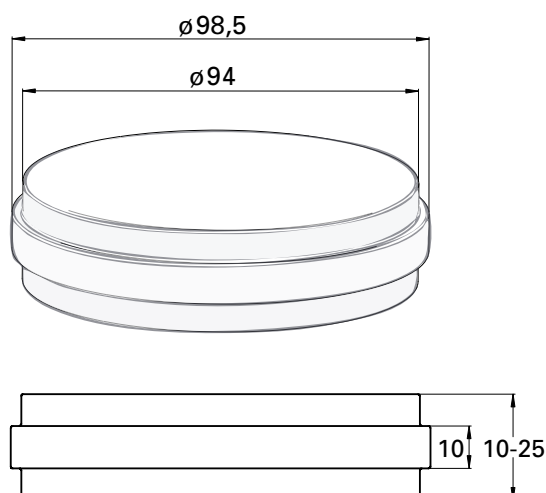
Height	D2	D3	D4	Price (euro/net)
10 mm	G 590.020.0	G 590.011.0	G 590.021.0	139,00
14 mm	G 592.020.0	G 592.011.0	G 592.021.0	159,00
18 mm	G 594.020.0	G 594.011.0	G 594.021.0	199,00
20 mm	G 595.020.0	G 595.011.0	G 595.021.0	214,00
25 mm	G 596.020.0	G 596.011.0	G 596.021.0	249,00

DDBioZX²98color

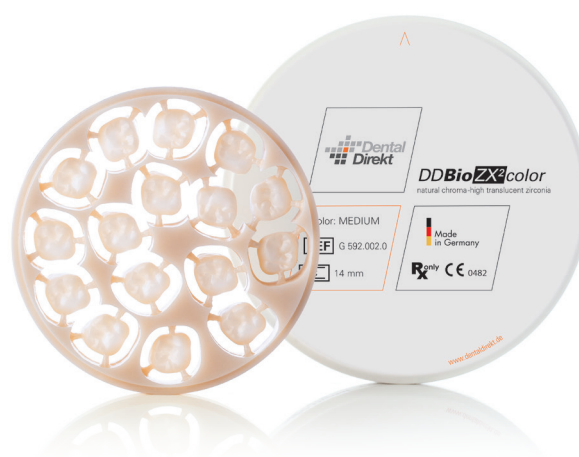
natural chroma – high translucent zirconia

perfectly suitable for

- monolithic crowns and bridges (of any span range)
- especially for monolithic bridges > 3 units
- cut back (one layer)
- high aesthetic veneering (of any span range)



Technical data	
Type	3Y-TZP-LA
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	in 5 universal colors
Aesthetics	high translucent
Sintering temperatur	1.450 °C
Bending strength	1.200 (+/- 200) MPa
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.
Multi Additive Technology®	reliable reproduction of color via industrial coloring



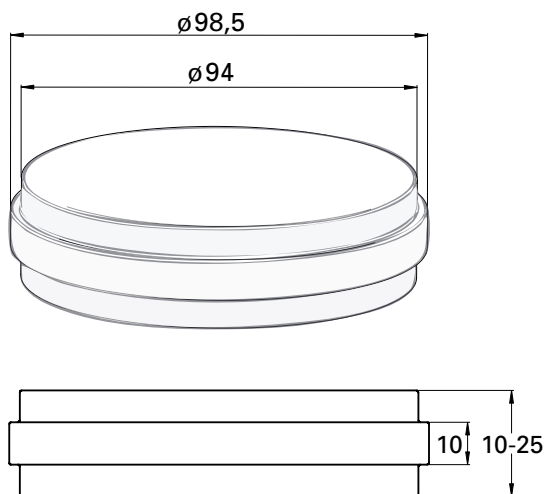
Height	light A1 · A2 · B1 · B2 · C1	medium A3 · B3 · B4 · C2 · C3 D2 · D3 · D4	intense A3,5 · A4 · C4	low chromatic A1 · A2 · A3 · B2 · B3 D2 · D3	high chromatic A3,5 · A4 · B4	Price (euro/net)
10 mm	G 590.001.0	G 590.002.0	G 590.003.0	G 590.004.0	G 590.005.0	139,00
14 mm	G 592.001.0	G 592.002.0	G 592.003.0	G 592.004.0	G 592.005.0	159,00
18 mm	G 594.001.0	G 594.002.0	G 594.003.0	G 594.004.0	G 594.005.0	199,00
20 mm	G 595.001.0	G 595.002.0	G 595.003.0	G 595.004.0	G 595.005.0	214,00
25 mm	G 596.001.0	G 596.002.0	G 596.003.0	G 596.004.0	G 596.005.0	249,00

DDBioZWiso

high strength zirconia

perfectly suitable for

- aesthetic veneering, crowns, bridges of any span range
- implant superstructures
- abutments



Technical data	
Type	3Y-TZP-A
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	white
Aesthetics	opaque
Sintering temperatur	1.450 °C
Bending strength	1200 (+/- 250) MPa
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.
DD Coloring liquids	DD Pro Shade Z DD Basic Shade DD Art Elements



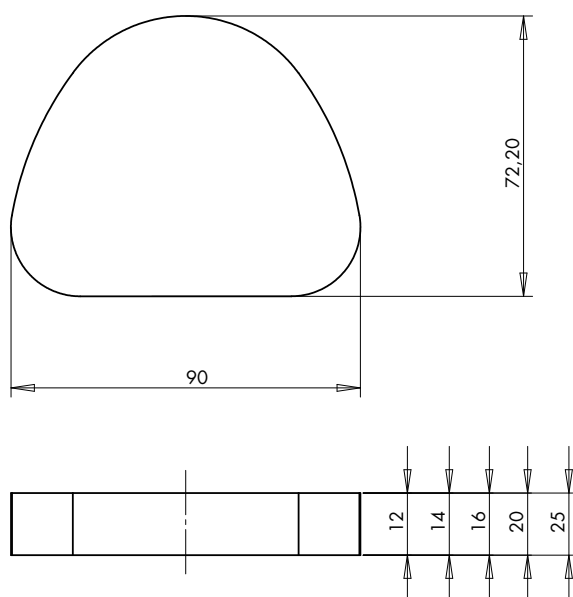
Height	Order-no.	Item	Price (euro/net)
10 mm	G 513	1	109,00
12 mm	G 526	1	129,00
14 mm	G 505	1	139,00
16 mm	G 527	1	159,00
18 mm	G 506	1	179,00
20 mm	G 507	1	189,00
25 mm	G 553	1	219,00

DDBioZA

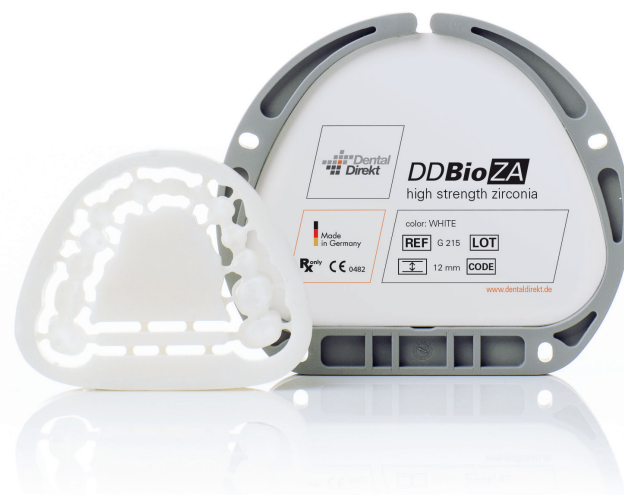
high strength zirconia

perfectly suitable for

- aesthetic veneering, crowns, bridges of any span range
- implant superstructures
- abutments



Technical data	
Type	3Y-TZP-A
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	white
Aesthetics	opaque
Sintering temperatur	1.450 °C
Bending strength	1200 (+/- 250) MPa
CAM system	ceramill® motion Systeme (Amann Girrbach)
DD Coloring liquids	DD Pro Shade Z DD Basic Shade DD Art Elements



Height	Order-no.	Item	Price (euro/net)
12 mm	G 215	1	109,00
14 mm	G 214	1	129,00
16 mm	G 216	1	139,00
18 mm	G 219	1	159,00
20 mm	G 217	1	169,00
25 mm	G 218	1	199,00

 Consult instructions for use

DDBioZS

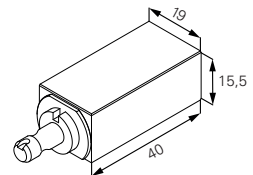
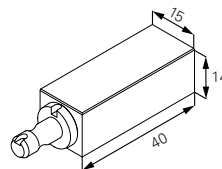
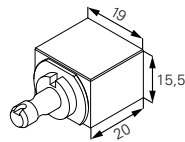
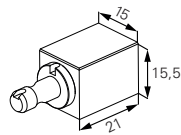
high strength zirconia

perfectly suitable for

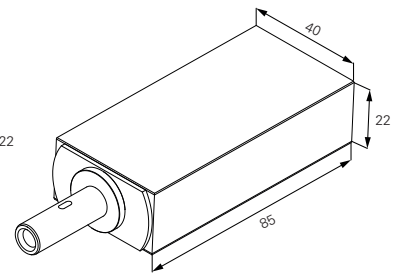
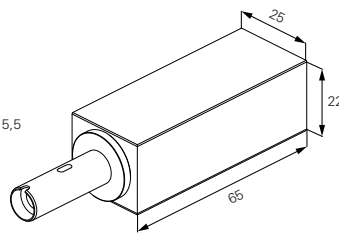
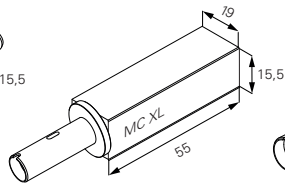
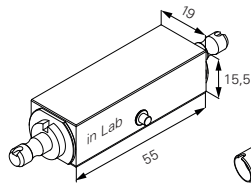
- aesthetic veneering, crowns, bridges of any span range
- implant superstructures
- abutments

Technical data

Type	3Y-TZP-A
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	white
Aesthetics	opaque
Sintering temperatur	1.450 °C
Bending strength	1200 (+/- 250) MPa
CAM system	Sirona inLab® und inLab® MC XL-System
DD Coloring liquids	DD Pro Shade Z DD Basic Shade DD Art Elements



Article	DD Bio ZS 21/15	DD Bio ZS 20/19	DD Bio ZS 40/15	DD Bio ZS 40/19
Order-no.	G 603	G 600	G 601	G 602
Measurements	21 x 15 x 15,5	20 x 19 x 15,5	40 x 15 x 14	40 x 19 x 15,5
Item	25	24	10	10
Price (euro/net)	285,00	319,00	239,00	249,00



Article	DD Bio ZS 55/19 inLab	DD Bio ZS 55/19 MC XL	DD Bio ZS 65/25	DD Bio ZS 85/40
Order-no.	G 604	G 604.1	G 605	G 607
Measurements	55 x 19 x 15,5	55 x 19 x 15,5	65 x 25 x 22	85 x 40 x 22
Item	2	2	1	1
Price (euro/net)	99,00	99,00	89,00	189,00

DDBioZWiso color

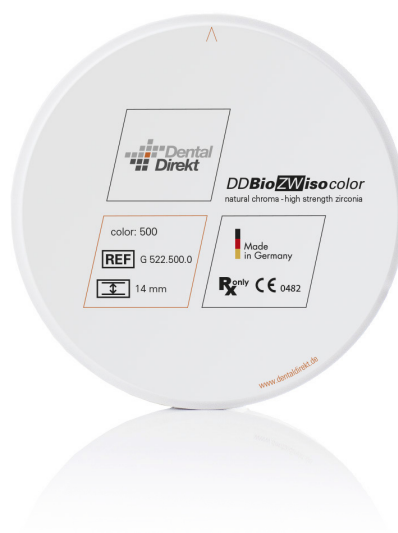
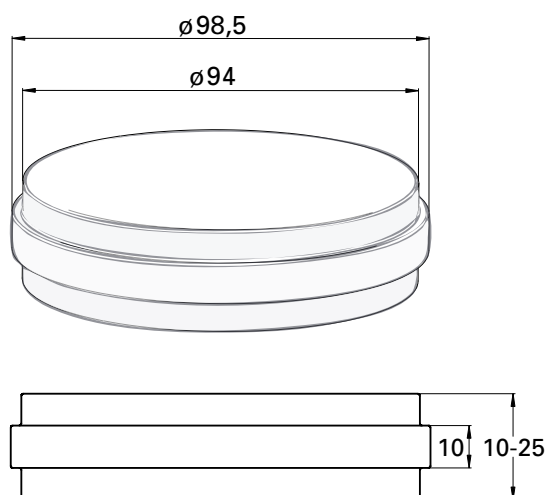
high strength zirconia

perfectly suitable for

- aesthetic veneering, crowns, bridges of any span range
- implant superstructures
- abutments

Technical data

Type	3Y-TZP-A
Indication ISO 6872	type II, class 5 – all dental constructions, all bridges > 3 elements with max. 2 connected pontics
Color	in 5 universal colors
Aesthetics	opaque
Sintering temperatur	1.450 °C
Bending strength	1200 (+/- 250) MPa
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.



Height	500 A1 · A2	800 A3 · B3	1000 C2 · C3	1333 A3,5 · B4	2000 A4	Price (euro/net)
10 mm	G 520.500.0	G 520.800.0	G 520.1000.0	G 520.1333.0	G 520.2000.0	129,00
14 mm	G 522.500.0	G 522.800.0	G 522.1000.0	G 522.1333.0	G 522.2000.0	149,00
18 mm	G 524.500.0	G 524.800.0	G 524.1000.0	G 524.1333.0	G 524.2000.0	189,00
20 mm	G 525.500.0	G 525.800.0	G 525.1000.0	G 525.1333.0	G 525.2000.0	204,00
25 mm	G 526.500.0	G 526.800.0	G 526.1000.0	G 526.1333.0	G 526.2000.0	239,00



02. Coloring Liquid Solutions

DDBasicShade

The Classic (previously DD Bio ZX² monolith zero). Optimized for the individual painting technique (stain & glaze), minimal coating (cut back) or as a framework shade for full veneering or the combination of the techniques in one job.



For DD Bio Z, DD Bio ZX², DD cubeX²® and DD cube ONE®

Concept	“one-for-all” color system Primary color, basis for aesthetic characterisation
Color key	VITA® classical (Dentine)
Chroma	Higher chroma – higher grey value
Luminance	Less brightness

 Please find the recommendations for the coloring in our instructions for use.

Dentin & Bleach

Available in 16 dentine colors according to VITA® and 3 bleach colors.

Color according to VITA®	Order-no. 30 ml	Order-no. 100 ml
0M1	LBS300M1	LBS1000M1
0M2	LBS300M2	LBS1000M2
0M3	LBS300M3	LBS1000M3
A1	LBS30A1	LBS100A1
A2	LBS30A2	LBS100A2
A3	LBS30A3	LBS100A3
A3,5	LBS30A35	LBS100A35
A4	LBS30A4	LBS100A4
B1	LBS30B1	LBS100B1
B2	LBS30B2	LBS100B2
B3	LBS30B3	LBS100B3
B4	LBS30B4	LBS100B4
C1	LBS30C1	LBS100C1
C2	LBS30C2	LBS100C2
C3	LBS30C3	LBS100C3
C4	LBS30C4	LBS100C4
D2	LBS30D2	LBS100D2
D3	LBS30D3	LBS100D3
D4	LBS30D4	LBS100D4
Price (euro/net)	22,90	59,90

coloring liquid for use with white dental direkt zirconium milling blanks

DDProShadeZ

The “Z variants” are optimized for the individual painting technique (stain & glaze), minimal coating (cut back) or as a framework shade for full veneering or the combination of the techniques in one job.

DDProShadeC

The “C variants” are optimized for the high level of translucency of the DD cubeX²®. Monolithic full ceramic is possible with just glazing. A high aesthetic level and efficient work are combined into one.

For DD Bio Z, DD Bio ZX² and DD cube ONE®

For DD cubeX²® and DD cube ONE®

Concept	Optimised for the material specific translucency High degree of conformity with the color ring
Color key	VITA® classical (Dentine)
Chroma	Less chroma – lower grey value, “more sunny”
Luminance	More brightness

 Please find the recommendations for the coloring in our instructions for use.

Dentin & Bleach

Available in 16 dentine colors according to VITA® and 3 bleach colors.

Color according to VITA®	Order-no. 30 ml	Order-no. 100 ml
0M1	LPSZ300M1	LPSZ1000M1
0M2	LPSZ300M2	LPSZ1000M2
0M3	LPSZ300M3	LPSZ1000M3
A1	LPSZ30A1	LPSZ100A1
A2	LPSZ30A2	LPSZ100A2
A3	LPSZ30A3	LPSZ100A3
A3,5	LPSZ30A35	LPSZ100A35
A4	LPSZ30A4	LPSZ100A4
B1	LPSZ30B1	LPSZ100B1
B2	LPSZ30B2	LPSZ100B2
B3	LPSZ30B3	LPSZ100B3
B4	LPSZ30B4	LPSZ100B4
C1	LPSZ30C1	LPSZ100C1
C2	LPSZ30C2	LPSZ100C2
C3	LPSZ30C3	LPSZ100C3
C4	LPSZ30C4	LPSZ100C4
D2	LPSZ30D2	LPSZ100D2
D3	LPSZ30D3	LPSZ100D3
D4	LPSZ30D4	LPSZ100D4
Price (euro/net)	22,90	59,90

coloring liquid for use with white dental direkt zirconium milling blanks

Dentin & Bleach

Available in 16 dentine colors according to VITA® and 3 bleach colors.

Color according to VITA®	Order-no. 30 ml	Order-no. 100 ml
0M1	LPSC300M1	LPSC1000M1
0M2	LPSC300M2	LPSC1000M2
0M3	LPSC300M3	LPSC1000M3
A1	LPSC30A1	LPSC100A1
A2	LPSC30A2	LPSC100A2
A3	LPSC30A3	LPSC100A3
A3,5	LPSC30A35	LPSC100A35
A4	LPSC30A4	LPSC100A4
B1	LPSC30B1	LPSC100B1
B2	LPSC30B2	LPSC100B2
B3	LPSC30B3	LPSC100B3
B4	LPSC30B4	LPSC100B4
C1	LPSC30C1	LPSC100C1
C2	LPSC30C2	LPSC100C2
C3	LPSC30C3	LPSC100C3
C4	LPSC30C4	LPSC100C4
D2	LPSC30D2	LPSC100D2
D3	LPSC30D3	LPSC100D3
D4	LPSC30D4	LPSC100D4
Price (euro/net)	22,90	59,90

DDArtElements

universally applicable
with all DD dentine liquids
with all DD zirconium oxide types



Effect colors

Ideal for individualisation, to shade the dentine colors or purely for the characterisation of e.g. fissures, incisal areas or gingival areas.



light pink	purple	blue	yellow	orange	price (euro/net)
LAE30LP	LAE30P	LAE30B	LAE30Y	LAE30O	59,90



light brown	dark brown	light grey	dark grey	graphite	price (euro/net)
LAE30LB	LAE30DB	LAE30LG	LAE30DG	LAE30G	59,90

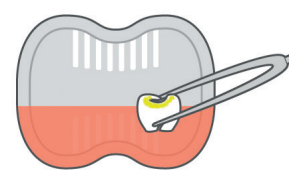
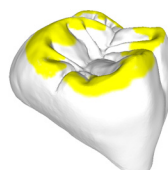
Incisal colors

For occlusal and incisal individualisation.

Color	Order-no. 15 ml
SA1 for painting (0M3 · A1 · A2 · B1 · B2)	LAE15SA1
SA2 for painting (A3 · A3,5 · A4 · B3 · B4)	LAE15SA2
SC1 for painting (C1 · C2 · D2)	LAE15SC1
SC2 for painting (C3 · C4 · D3 · D4)	LAE15SC2
S0 for painting (0M1 · 0M2) for dipping (all dentine colors)	LAE15S0
Price (euro/net)	14,90

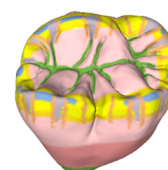
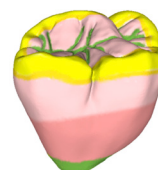
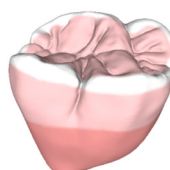
Incisal SO

optimised for efficient dipping technique.



Incisal SA/SC

optimised for individual brush technique.



Vario

To brighten the dentine colors.

Article	Order-no. 30 ml
Variation liquid	LAE30V
Price (euro/net)	22,90

Consult instructions for use

coloring liquid for use with white dental direkt zirconium milling blanks

DDShadeConcept®-Sets

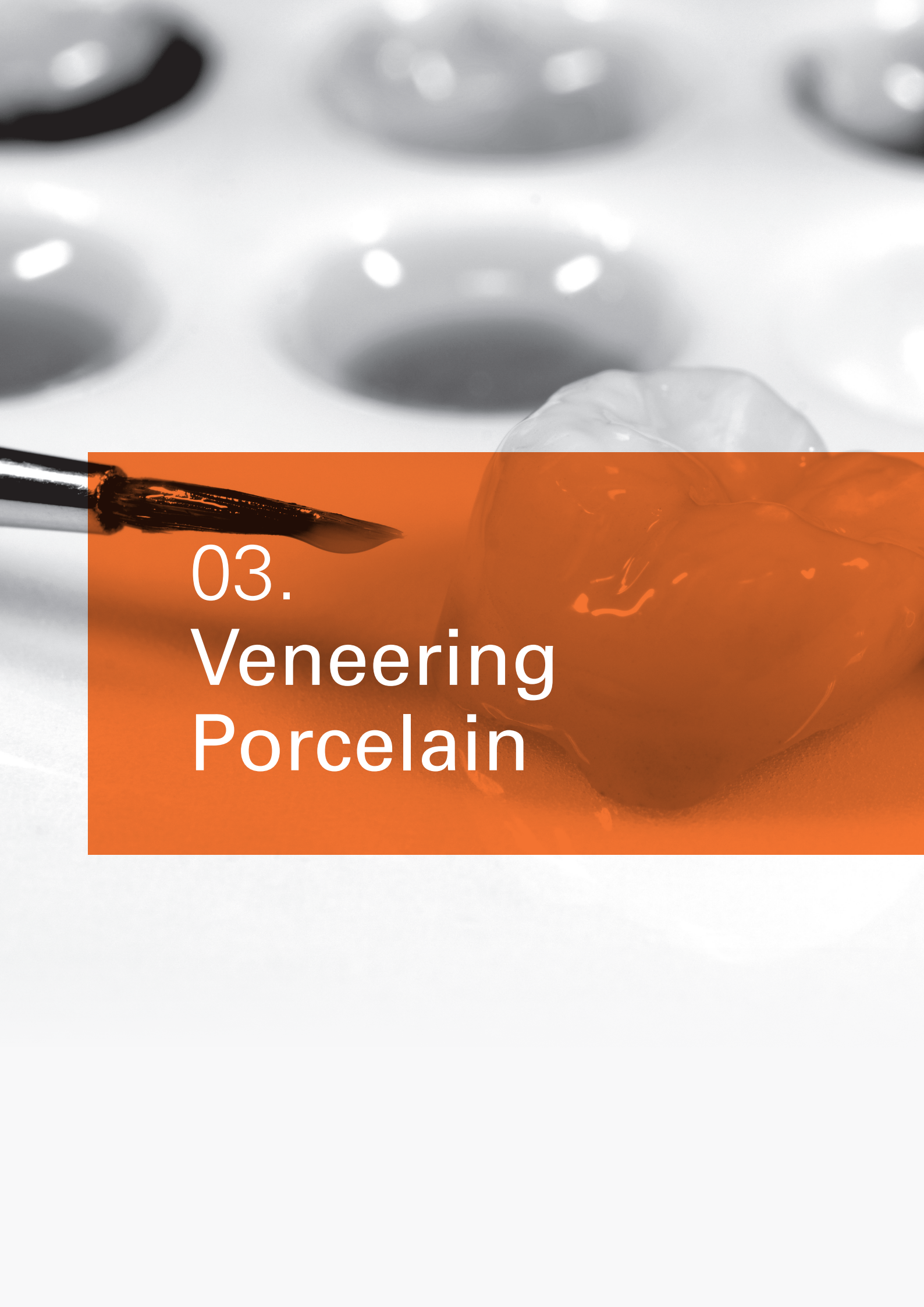


Coloring sets

Coloring sets	Order-no.	Content	Price (euro/net)
DD Basic Shade-Set	LBS001	16 dentine colors A1 – D4 á 30 ml 5 incisal colors SA1 – SO á 15 ml + 40 applicators	349,00
DD Pro Shade C-Set (Ideal for DD cubeX ² ® and DD cube ONE®)	LPSC001	16 dentine colors A1 – D4 á 30 ml 5 incisal colors SA1 – SO á 15 ml + 40 applicators	349,00
DD Pro Shade Z-Set (Ideal for DD Bio Z, DD Bio ZX ² and DD cube ONE®)	LPSZ001	16 dentine colors A1 – D4 á 30 ml 5 incisal colors SA1 – SO á 15 ml + 40 applicators	349,00
DD Art Elements-Set	LAE001	5 incisal colors á 15 ml 10 effect colors á 30 ml 1 vario liquid á 30 ml + 40 applicators	549,00



Consult instructions for use

The background of the slide is a close-up photograph of a dental procedure. It shows a white, glossy, and slightly translucent material, likely a dental veneer or composite, being shaped or polished. A dental handpiece or bur is visible on the left side, partially obscured by an orange overlay. The overall scene is brightly lit, creating soft reflections on the white surface.

03. Veneering Porcelain

DDNature^{ZR}

zirconia veneering porcelain

DD Nature ZR

DD Nature ZR is a veneering ceramic that is optically and technically perfectly attuned to zirconia frameworks (Y-TZP). We live up to our own demands for brilliant, aesthetic dental prostheses with the innovative DD Nature ZR porcelain veneers. The concept allows you to achieve lively, reliable color renditions with the least effort. TEC has been optimised for very strong bonding with zirconia and guarantees high breakage resistance.

The best results can be achieved when veneering DD Bio Z frameworks.

- DD Nature ZR is unsuitable for veneering metal or titanium frameworks.
- DD Nature ZR is solely intended for dental use.

Physical properties

Properties	Measure	Value
Coefficient of thermal expansion (25 – 500°C)	10 ⁻⁶ K ⁻¹	9,5
Glass transition temperature	°C	550
Flexural strength	MPa	90

Complete set

Order-no.	Article	Price (euro/net)
N 200	16 dentine: A1–D4 à 20 g 4 enamel: E1–E4 à 20 g 2 gum à 20 g 3 transpa à 20 g 3 effekt transpa à 20 g 2 opal à 20 g 1 correction à 20 g 13 stains à 4 g 1 glaze à 4 g 1 glaze liquid à 30 ml 1 modelling liquid à 30 ml	999,00



Stain set

Order-no.	Article	Price (euro/net)
N 202	13 stains à 4 g 1 glaze à 4 g 1 glaze liquid à 30 ml	299,00



 Consult instructions for use

DDNatureZR

zirconia veneering porcelain

Dentine

Color/20g	Order-no.
A1	N 100
A2	N 101
A3	N 102
A3,5	N 103
A4	N 104
B1	N 105
B2	N 106
B3	N 107
B4	N 108
C1	N 109
C2	N 110
C3	N 111
C4	N 112
D2	N 113
D3	N 114
D4	N 115
Price (euro/net)	24,90



Transpa & Effect

Color/20g	Order-no.
clear	N 120
neutral	N 121
opal	N 122
effect grey	N 123
effect light amber	N 124
effect light grey	N 125
opal ice-blue	N 126
opal amber	N 127
Price (euro/net)	24,90



Gum

Color/20g	Order-no.
G2 dark pink	N 129
G1 light pink	N 130
Price (euro/net)	24,90



Enamel

Color/20g	Order-no.
E1	N 116
E2	N 117
E3	N 118
E4	N 119
Price (euro/net)	24,90



Correction

Color/20g	Order-no.
Correction Powder	N 128
Price (euro/net)	24,90



DDNatureZR

zirconia veneering porcelain

Stains

Color/4 g	Order-no.
snow	N 132
caramel	N 133
apricot	N 134
light brown	N 135
olive	N 136
dark brown	N 137
violet	N 138
blue	N 139
grey	N 140
chroma A	N 141
chroma B	N 142
chroma C	N 143
chroma D	N 144
Preis (Euro/netto)	25,90



Glaze

Article/4 g	Order-no.
Glaze Uni	N 145
Price (euro/net)	25,90



Modelling liquid

Article/30 ml	Order-no.
Modelling Liquid	N 131
Price (euro/net)	8,25



Glaze liquid

Article/30 ml	Order-no.
Glaze Liquid	N 146
Price (euro/net)	8,25



Enamelite® spray glaze

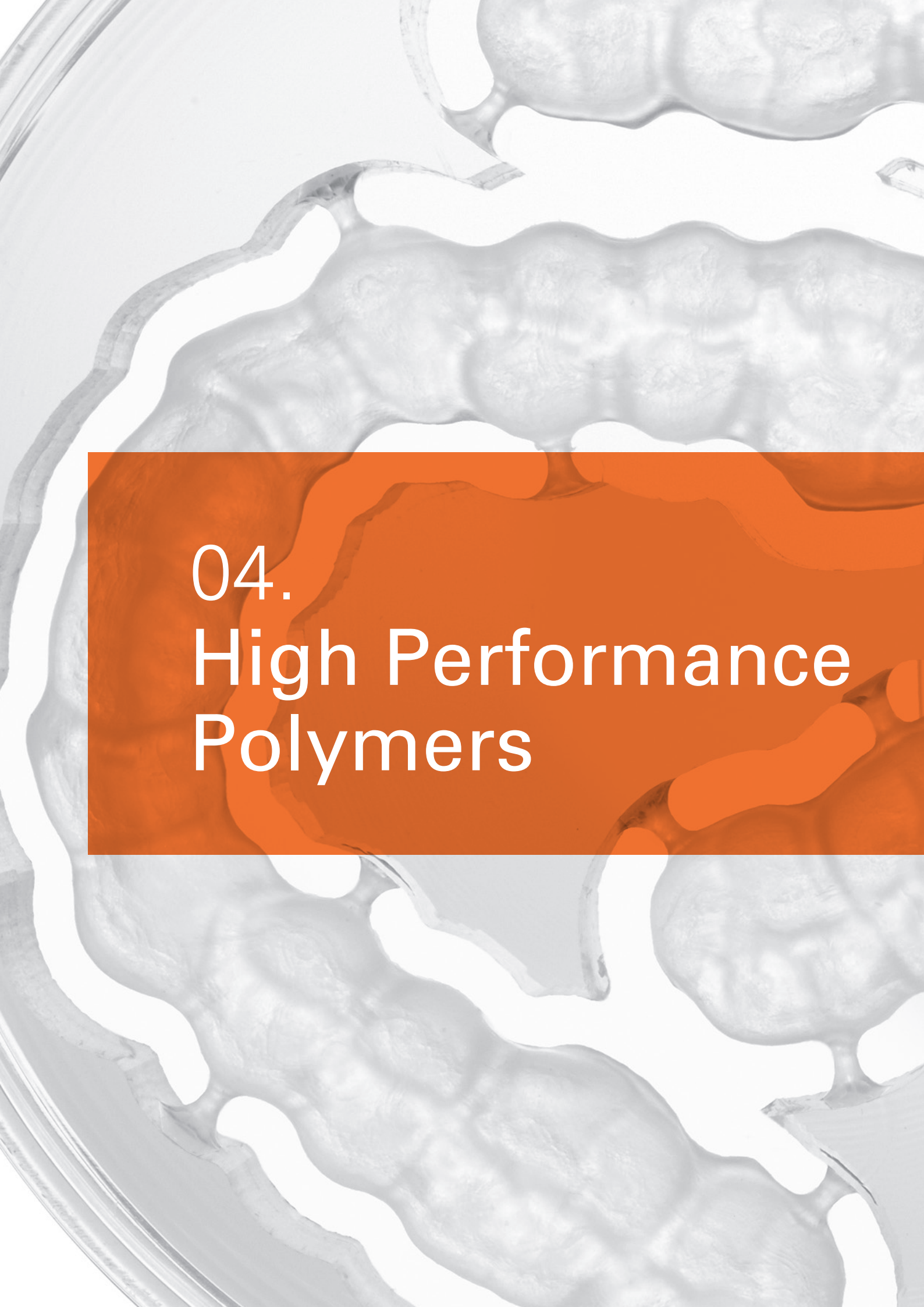
The fluorescent ceramic spray glaze is highly recommended to finish monolithic restorations. With the build-in fluorescent effect highly aesthetic results can be archived with only one firing while maintaining its simplicity to use. It is highly recommended for superior results with DD cubeX²® and DD cubeX²® HS.

- Natural aesthetics
- Fluorescent effect
- Highest efficiency
- Fast drying
- Uniform and accurate coating



Article/46g	Order-no.
Keystone Enamelite LF	N 221
Price (euro/net)	68,25



A grayscale microscopic image of a polymer structure, showing a complex, interconnected network of fibers and nodules. An orange rectangular overlay is positioned in the center, containing the text '04. High Performance Polymers'.

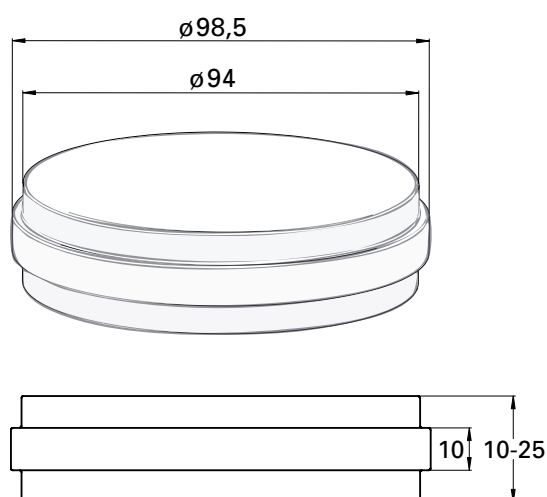
04. High Performance Polymers

DDBioSplint^{PHI}

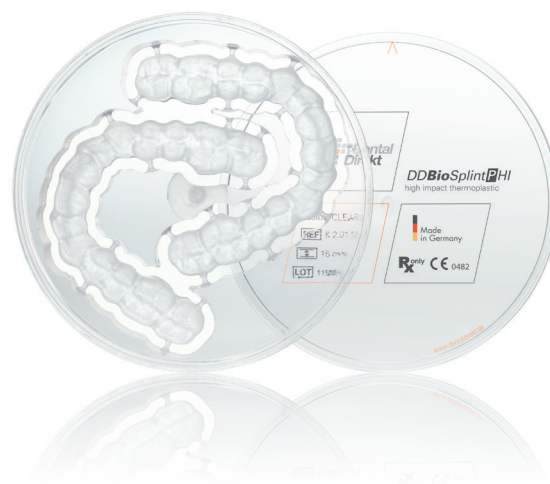
high impact thermoplastic

Your benefits:

- biocompatible – medical thermoplastic, no chemoplastic!
- industrially polymerised – minimal residual monomer content
- high fracture resistance and long-term stability (bruxism treatment)
- lowest water absorption – long-term stability of the fit
- good polishing properties – smooth surfaces are less susceptible to discoloration and plaque deposits, which at the same time minimises the risk of inflammation.



Technical data	
Material	100% PMMA
Indication	Bite guard splint, therapeutic splints, bite regulators (Due to its properties, the material is indicated for the oral cavity up to 12 month.)
Color	clear
Flex resistance ISO 178	92 MPa
Charpy impact strength +23°C ISO 179/1eU	45 kJ/m ²
Density ISO 1183	1,17 g/cm ³
Water sorption ISO 20795-1	0,02 µg/mm ³
Solubility ISO 20795-1	0,0 µg/mm ³
residual monomer content ISO 20795-1	< 0,7 %
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.



DDBioSplint^{PHI}98

Hight	Order-no.	Item	Price (euro/net)
15 mm	K40115	1	29,00
20 mm	K40120	1	35,00

 Consult instructions for use

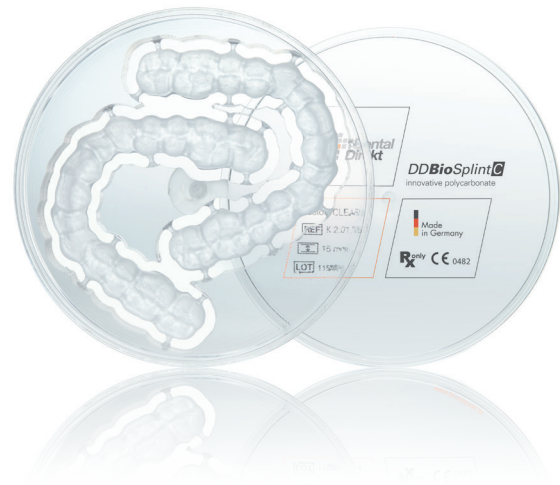
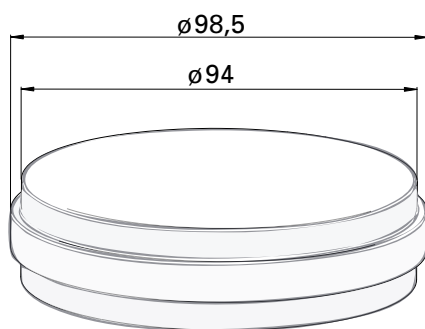
DDBioSplint^C

innovative polycarbonate

Your benefits:

- biocompatible – medical thermoplastic, no chemoplastic!
- industrially polymerised–absolutely low residual monomer content
- high fracture resistance and continuous flexural load (treatment of bruxism)
- plaque resistant–lowest water absorption – dense structure
- good polishing properties
- shatterproof with added elasticity, (high) resilience

Technical data	
Material	100% Polycarbonat
Indication	Bite guard splint, therapeutic splints, bite regulators, drilling templates (Due to its properties, the material is indicated for the oral cavity up to 30 days.)
Farbe	clear/slightly bluish
Flex resistance ISO 20795-1	≥ 98 MPa
Flexural modulus ISO 20795-1	> 2.300 MPa
Water sorption ISO 20795-1	3,6 µg/mm ³
Solubility ISO 20795-1	0,2 µg/mm ³
residual monomer content ISO 20795-1	≤ 0,0015 %
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.



DDBioSplint^C98

Hight	Order-no.	Item	Price (euro/net)
15 mm	K 2.01.15	1	39,00
20 mm	K 2.01.20	1	45,00

 Consult instructions for use

DDtempMED

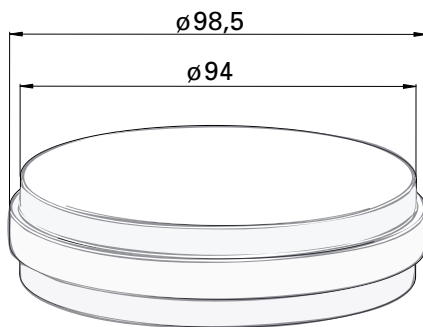
high translucent polymers

Acrylic Polymer

DD temp MED blanks consist of thermoplastic acrylic polymer based on polymethyl methacrylate (PMMA), with no toxic or allergenic materials.

Your benefits:

- biocompatible – medical polymer material
- industrially polymerised – absolutely low residual monomer content
- high fracture resistance and continuous flexural load
- plaque resistant – lowest water absorption – dense structure
- good polishing properties
- CAM-optimised hardness (23 HV1) for good machinability



Technical data	
Material	Polymethylmethacrylat (PMMA)
Indication	pre-colored dental milling blanks for the production of temporary crowns and bridges (Due to its properties, the material is indicated for the oral cavity up to 12 month.)
Flex resistance ISO 20795-1	~ 78 MPa
Flexural modulus ISO 20795-1	~ 2.988 MPa
Water sorption ISO 20795-1	19 – 25 µg/mm ³
Solubility ISO 20795-1	0,3 – 0,7 µg/mm ³
residual monomer content ISO 20795-1	≤ 0,02 %
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.

Chemische Zusammensetzung [Gew. %]	
Polymethylmethacrylat (PMMA)	> 99,8
Coloring pigments	≤ 0,2

DDtempMED98



Hight	A1	A2	A3	A3,5	B2	C2	D3	Price (euro/net)
15 mm	K 1.16.15	K 1.10.15	K 1.11.15	K 1.12.15	K 1.13.15	K 1.15.15	K 1.14.15	29,00
20 mm	K 1.16.20	K 1.10.20	K 1.11.20	K 1.12.20	K 1.13.20	K 1.15.20	K 1.14.15	35,00

Consult instructions for use

DDpeekMED

the polymer steel

Medical PEEK

DD peek MED is the ideal combination of biocompatibility and ultimate strength.

Polyetheretherketone (PEEK) has a modulus of elasticity similar to human bone and is thus extremely wear-resistant. These attributes have made it a highly sought-after material in surgical endoprosthetics. Compared with titanium implants, stress peaks at the interface to the bones are reduced. Dental constructions also benefit from this property. This reduces the load on screw and adhesive bonds of the dental prosthesis as well. An ideal material for heavily load-bearing indications. Its total biocompatibility underscores the material through its inert property against body fluids.

Your benefits:

- Monomer-free
- Extremely loadable and wear-resistant
- Low density - very light
- Adheres with PMMA
- Suitable for allergy patients
- Outstanding sliding qualities (telescopes)

Chemical Composition [Weight %]

	Natural	White	Dentine	Gingiva
Polyetheretherketon (PEEK)	≥ 99,99	≥ 80	≥ 80	> 90
Titanium oxide	–	> 20	> 20	> 5
Further Additives	> 0,01	> 0,1	> 1	> 1



Hight	white	dentine	natural	gingiva	Price (euro/net)
14 mm	K 3.01.14	K 3.02.14	K 3.03.14	K 3.04.14	189,00
18 mm	K 3.01.18	K 3.02.18	K 3.03.18	K 3.04.18	229,00
23 mm	K 3.01.23	K 3.02.23	K 3.03.23	K 3.04.23	279,00

Consult instructions for use

Technical data

Material	Polyetheretherketon (PEEK)
Indication	e.g. abutments and cervical gingival formers, bar constructions, tertiary constructions, telescope crowns, transversal links (due to its properties, the material is indicated for permanent use in the oral cavity) For the manufacture of fixed or removable dental framework constructions for long-term use.
Flex resistance ISO 20795-1	≥ 155 MPa
Flexual modulus* ISO 20795-1	≥ 3,8 GPa
Density* ISO 1183	1,5 g/cm ³
Water sorption ISO 20795-1	0,0 µg/mm ³
Solubility ISO 20795-1	0,0 µg/mm ³
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.

*Value determination based on DD peek MED natural

05.
CoCr and Wax

DDBioCW

Milling blank based on CoCr

The DD Bio CW Blanks provide a high level of working safety and guarantees reliably good quality. The DD Bio CW blank is resistant to corrosion, biocompatible and free of nickel and beryllium. Outstanding aesthetic results can be achieved by a veneering with a material-specific veneering ceramic. The adherence oxide formers provide an optimal bond between metal and ceramic.

The DD Bio CW blank has been treated with a special heat treatment, which makes the alloy easy to machine and gives it outstanding properties due to a uniform microstructure.



Technical data

Density	8,8 g/cm ³
E modulus	200 GPa
CTE (25 – 500°C)	14,4 10 ⁻⁶ K ⁻¹
Vickers hardness	300 HV5/30
Elongation at break	> 5 %
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-core), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.

Chemical composition [Weight %]

Co	63
Cr	29
Mo	6
Nb, Si, Mn, Fe	< 1

Hight	Order-no.	Measures	Price (euro/net)
8 mm	G 900	Ø 98 x 8 mm	159,00
10 mm	G 901	Ø 98 x 10 mm	179,00
12 mm	G 902	Ø 98 x 12 mm	199,00
13,5 mm	G 903	Ø 98 x 13,5 mm	219,00
15 mm	G 904	Ø 98 x 15 mm	229,00
18 mm	G 905	Ø 98 x 18 mm	259,00

DDcamWAX

Wax for casting technique

Synthetic wax blanks utilised for the production of combustible wax frameworks that leave no residue. DD CAM wax blanks are distinguished by excellent milling properties and form a fine chip during the machining that does not clog milling cutters. (not a medical product)



DDcamWAX98

Specification			
CAM system	open systems for Ø 98,5 mm blanks, e.g.: LabTec (Dental Direkt), CORiTEC® (imes-icore), Zeno® TEC (Wieland Dental), Impression (VHF), DWX 50 (Roland), etc.		
Hight	Order-no.	Color	Price (euro/net)
20 mm	G 529	grey	29,00



DDcamWAX71

Specification			
CAM-System	ceramill® motion systems (Amann Girrbach)		
Hight	Order-no.	Color	Price (euro/net)
20 mm	G 529-AG	grey	29,00



DDcamWAX95

Specification			
CAM-System	Zirkonzahn® milling system		
Hight	Order-no.	Color	Price (euro/net)
20 mm	G 529-ZZ	grey	29,00

Notes

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