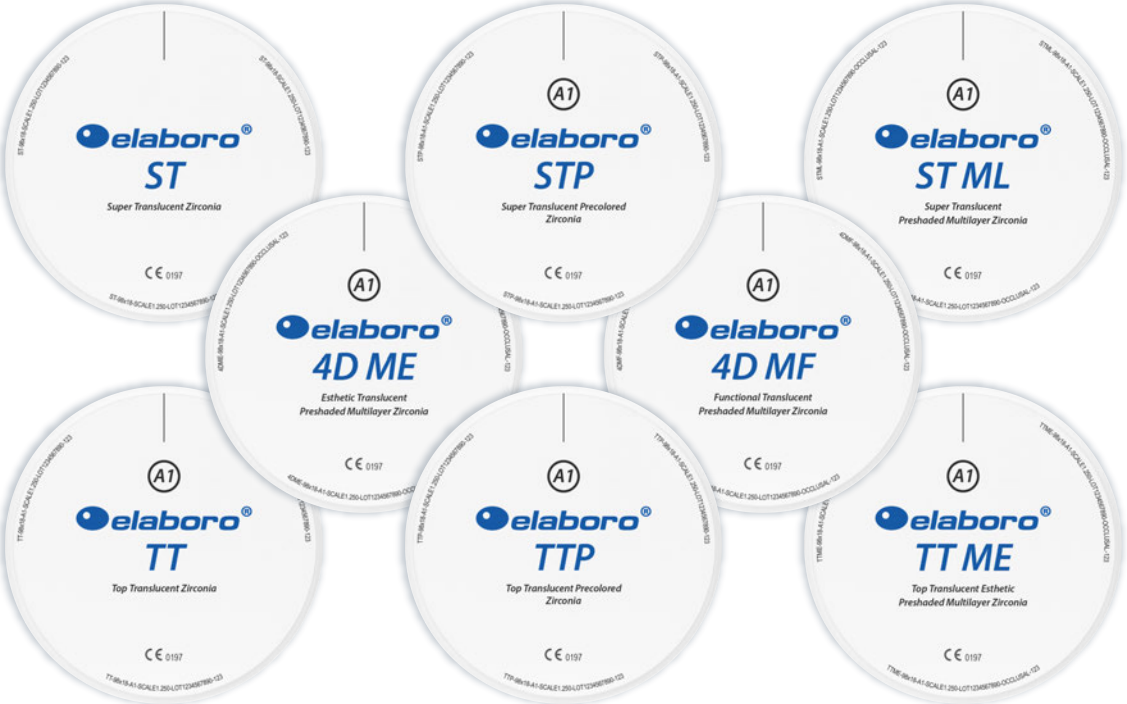
elaboro®


elaboro®
ST
Super Translucent Zirconia
CE 0197
A1
elaboro®
STP
Super Translucent Precolored Zirconia
CE 0197
A1
elaboro®
ST ML
Super Translucent Preshaded Multilayer Zirconia
CE 0197
A1
elaboro®
4D ME
Esthetic Translucent Preshaded Multilayer Zirconia
CE 0197
A1
elaboro®
4D MF
Functional Translucent Preshaded Multilayer Zirconia
CE 0197
A1
elaboro®
TT
Top Translucent Zirconia
CE 0197
A1
elaboro®
TTP
Top Translucent Precolored Zirconia
CE 0197
A1
elaboro®
TT ME
Top Translucent Esthetic Preshaded Multilayer Zirconia
CE 0197

A1
A2
A3
A3.5
A4
B1
B2
B3
B4
C1
C2
C3
C4
D2
D3
D4

With the Elaboro LiSi Conditioner, zirconia can be bonded just as easily and safely as $LiSi_2$

- Optimal preparation of ZrO_2 for all adhesive bonding
- Simply treat the modified bonding surface as $LiSi_2$
- The adhesive bond is loadable like $LiSi_2$ restorations
- No limits: can be used for all indications
- Ideal for minimally invasive restorations

Dear Costumer,
this catalog will help you understand the different zirconia options in order to find a cost efficient yet aesthetically pleasing solution.

Our globally unique lithium silicate surface finish,
will provide you with the finest full contour zirconia dentures,
offering long term benefits and satisfaction

Yours sincerely
Michael Schmidt
Founder & CEO

ST ML

precolored gradient

Multilayer

Suitable for all indications, no size limits
Suitable for all 16 Vita shades
A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4

Physical Characteristics

Density after Sintering	6.08±0.01g/cm^3
CTE (25-500°C)	(10.5±1.0)x10^{-6} K^{-1}
Accelerated aging surface monoclinic phase content	<15%
Chemical solubility after sintering	<100µg/cm^2
Radioactivity	<0.1Bq/g
Sintering temperature	1400-1580°C Recommended 1530°C

Chemical Composition

ZrO_2+HfO_2+Y_2O_3	>97.7%
Y_2O_3	4.4% - 5.5%
Al_2O_3	<0.5%
Fe_2O_3	<0.3%
Er_2O_3	<1.0%
Other oxides	<1.2%

Translucency
39 - 43%

Strength
1100MPa

4D ESTHETIC

precolored / preshaded

Multilayer

Suitable for all indications, no size limits

Suitable for all 16 Vita shades + 2 bleaching shades

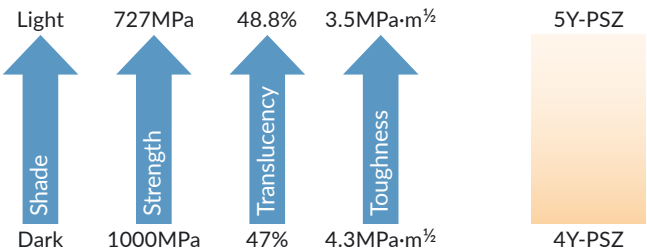
A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4

Physical Characteristics

Density after Sintering	≥6 g/cm³
CTE (25-500°C)	$(10.5\pm1.0)\times10^{-6}$ K^{-1}
Accelerated aging surface monoclinic phase content	<5%
Chemical solubility after sintering	<100µg/cm²
Radioactivity	<0.1Bq/g
Sintering temperature	1430-1550°C Recommended 1480°C

Chemical Composition

$ZrO_2+HfO_2+Y_2O_3$	>96.5%
Y_2O_3	5.8% - 9.7%
Al_2O_3	<0.5%
Fe_2O_3	<0.5%
Er_2O_3	<2.0%
Other oxides	<0.5%



4D FUNCTION

precolored gradient

Multilayer

Suitable for all indications, no size limits

Suitable for all 16 Vita shades

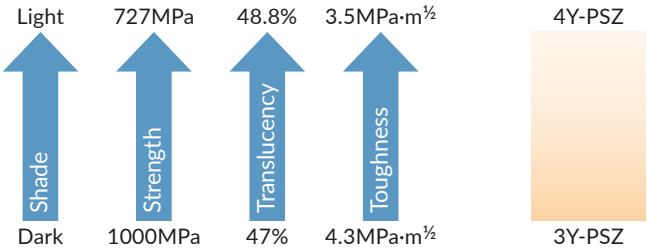
A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4

Physical Characteristics

Density after Sintering	≥6 g/cm³
CTE (25-500°C)	$(10.5\pm1.0)\times10^{-6}$ K^{-1}
Accelerated aging surface monoclinic phase content	<5%
Chemical solubility after sintering	<100µg/cm²
Radioactivity	<0.1Bq/g
Sintering temperature	1430-1550°C Recommended 1480°C

Chemical Composition

$ZrO_2+HfO_2+Y_2O_3$	>96.5%
Y_2O_3	5.8% - 9.7%
Al_2O_3	<0.5%
Fe_2O_3	<0.5%
Er_2O_3	<2.0%
Other oxides	<0.5%



TT ME

precolored gradient

Multilayer

Suitable for all indications, no size limits

Multilayer gradient with all 16 Vita shades

A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4

Physical Characteristics

Density after Sintering	≥6 g/cm³
CTE (25-500°C)	$(10.5\pm1.0)\times10^{-6}$ K^{-1}
Accelerated aging surface monoclinic phase content	<5%
Chemical solubility after sintering	<100µg/cm²
Radioactivity	<0.1Bq/g
Sintering temperature	1430-1550°C Recommended 148°C

Chemical Composition

$ZrO_2+HfO_2+Y_2O_3$	>96.5%
Y_2O_3	5.8% - 9.7%
Al_2O_3	<0.5%
Fe_2O_3	<0.5%
Er_2O_3	<2.0%
Other oxides	<0.5%

Translucency
42 - 49%

Strength
600MPa

ST P
precolored

Suitable for all indications, no size limits
Multilayer gradient with all 16 Vita shades
A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4

Physical Characteristics

Density after Sintering	6.08±0.01g/cm^3
CTE (25-500°C)	(10.5±1.0)x10^{-6} K^{-1}
Accelerated aging surface monoclinic phase content	<15%
Chemical solubility after sintering	<100µg/cm^2
Radioactivity	<0.1Bq/g
Sintering temperature	1400-1580°C Recommended 1530°C

Chemical Composition

ZrO_2+HfO_2+Y_2O_3	>97.7%
Y_2O_3	4.4% - 5.5%
Al_2O_3	<0.5%
Fe_2O_3	<0.3%
Er_2O_3	<1.0%
Other oxides	<1.2%

Translucency
39 - 43%

Strength
1100MPa

TTP
precolored

Suitable for all indications, no size limits
Multilayer gradient with all 16 Vita shades
A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4

Physical Characteristics

Density after Sintering	6.08±0.01g/cm^3
CTE (25-500°C)	(10.5±1.0)x10^{-6} K^{-1}
Accelerated aging surface monoclinic phase content	<15%
Chemical solubility after sintering	<100µg/cm^2
Radioactivity	<0.1Bq/g
Sintering temperature	1400-1580°C Recommended 1530°C

Chemical Composition

ZrO_2+HfO_2+Y_2O_3	>97.7%
Y_2O_3	4.4% - 5.5%
Al_2O_3	<0.5%
Fe_2O_3	<0.3%
Er_2O_3	<1.0%
Other oxides	<1.2%

Translucency
43 - 49%

Strength
1000MPa

ST
white

Suitable for all indications, no size limits
Multilayer gradient with all 16 Vita shades
A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4

Physical Characteristics

Density after Sintering	6.08±0.01g/cm^3
CTE (25-500°C)	(10.5±1.0)x10^{-6} K^{-1}
Accelerated aging surface monoclinic phase content	<15%
Chemical solubility after sintering	<100µg/cm^2
Radioactivity	<0.1Bq/g
Sintering temperature	1400-1580°C Recommended 1530°C

Chemical Composition

ZrO_2+HfO_2+Y_2O_3	>97.7%
Y_2O_3	4.4% - 5.5%
Al_2O_3	<0.5%
Fe_2O_3	<0.3%
Er_2O_3	<1.0%
Other oxides	<1.2%

Translucency
43%

Strength
1200MPa

TT
white

Suitable for all indications, no size limits
Multilayer gradient with all 16 Vita shades
A1 | A2 | A3 | A3.5 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4

Physical Characteristics

Density after Sintering	6.08±0.01g/cm^3
CTE (25-500°C)	(10.5±1.0)x10^{-6} K^{-1}
Accelerated aging surface monoclinic phase content	<15%
Chemical solubility after sintering	<100µg/cm^2
Radioactivity	<0.1Bq/g
Sintering temperature	1400-1580°C Recommended 1530°C

Chemical Composition

ZrO_2+HfO_2+Y_2O_3	>97.7%
Y_2O_3	4.4% - 5.5%
Al_2O_3	<0.5%
Fe_2O_3	<0.3%
Er_2O_3	<1.0%
Other oxides	<1.2%

Translucency
49%

Strength
600MPa

Elaboro Zirconia
INDICATION GUIDE

elaboro®

Indications	Elaboro Zirconia Multilayer				Precolored		White	
	TT ME	4D ME	4D MF	ST ML	TT P	ST P	TT	ST
Crown	✓	✓	✓	✓	✓	✓	✓	✓
Bridge	✓	✓	✓	✓	✓	✓	✓	✓
Frame	✓	✓	✓	✓	✓	✓	✓	✓
<4 Units Bridge		✓	✓	✓	✓	✓	✓	✓
<6 Units Bridge			✓	✓		✓		✓
>7 Units Bridge		✓	✓	✓		✓		✓
Brux Crown		✓	✓	✓		✓		✓
Cantilever Bridge			✓	✓		✓		✓
Inlay / Onlay (frame)			✓	✓		✓		✓
Inlay / Onlay (full contour)	✓	✓	✓	✓	✓	✓	✓	
Inlay / Onlay Bridge (frame)			✓	✓		✓		✓
Inlay / Onlay Bridge (full contour)	✓	✓	✓	✓	✓	✓	✓	✓
Maryland Bridge (1 wing)			✓	✓		✓		✓
Maryland Bridge (2 wings)			✓	✓		✓		✓
Telescopic Crown			✓	✓		✓		
Veneer (full contour)	✓	✓	✓		✓		✓	
Attachment				✓		✓		✓
Bar				✓		✓		✓
Individual Abutment		✓	✓	✓		✓		✓
Root Pin			✓	✓		✓		✓
Root Tooth		✓	✓	✓		✓		✓
Finish								
Lisi-Pure Finishing	✓	✓	✓	✓	✓	✓	✓	✓
Stain & Glaze	✓	✓	✓	✓	✓	✓	✓	✓
Ceramic Veneering	✓	✓	✓	✓	✓	✓	✓	✓
Fixing								
LiSi Conditioner / Adhesive Fixing	✓	✓	✓	✓	✓	✓	✓	✓
Conventional Cementation	✓	✓	✓	✓	✓	✓	✓	✓

Elaboro Zirconia
BLANK SYSTEM GUIDE

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System Compatibility		Elaboro Zirconia Multilayer				Precolored		White	
		TT ME	4D ME	4D MF	ST ML	TT P	ST P	TT	ST
D98 Open Milling System									
	D98x10	✓	✓	✓	✓	✓	✓	✓	✓
	D98x12	✓	✓	✓	✓	✓	✓	✓	✓
	D98x14	✓	✓	✓	✓	✓	✓	✓	✓
	D98x16	✓	✓	✓	✓	✓	✓	✓	✓
	D98x18	✓	✓	✓	✓	✓	✓	✓	✓
	D98x20	✓	✓	✓	✓	✓	✓	✓	✓
	D98x22	✓	✓	✓	✓	✓	✓	✓	✓
	D98x25	✓	✓	✓	✓	✓	✓	✓	✓
D95 Zirconia Tooth System									
	D95x10	✓	✓	✓	✓	✓	✓	✓	✓
	D95x12	✓	✓	✓	✓	✓	✓	✓	✓
	D95x14	✓	✓	✓	✓	✓	✓	✓	✓
	D95x16	✓	✓	✓	✓	✓	✓	✓	✓
	D95x18	✓	✓	✓	✓	✓	✓	✓	✓
	D95x20	✓	✓	✓	✓	✓	✓	✓	✓
	D95x22	✓	✓	✓	✓	✓	✓	✓	✓
	D95x25	✓	✓	✓	✓	✓	✓	✓	✓
98x71 (Amann Girrbach)									
	98/71x10	✓	✓	✓	✓	✓	✓	✓	✓
	98/71x12	✓	✓	✓	✓	✓	✓	✓	✓
	98/71x14	✓	✓	✓	✓	✓	✓	✓	✓
	98/71x16	✓	✓	✓	✓	✓	✓	✓	✓
	98/71x18	✓	✓	✓	✓	✓	✓	✓	✓
	98/71x20	✓	✓	✓	✓	✓	✓	✓	✓
	98/71x22	✓	✓	✓	✓	✓	✓	✓	✓
	98/71x25	✓	✓	✓	✓	✓	✓	✓	✓

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Coloring liquids are used for individual coloring of our white zirconia types using the dipping or brushing technique

Elaboro Coloring Liquid	30ml	50ml	100ml
for **ST** White Zirconia A1 - D4	✓	✓	✓
for **TT** White Zirconia A1 - D4	✓	✓	✓

EFFECT LIQUIDS

Effect liquids are used for individual coloring of our white zirconia types using the brushing technique

Elaboro Effect Liquid	5ml	20ml
for all Zirconia types P1, P2, P3, G1, G2, O1, O2, T0	✓	✓

elaboro®

LITHIUM SILICATE VENEERING

Ceramic Enamel for zirconia restorations

- Fusion of strength of ZrO_2 with the aesthetics of $LiSi_2$
- Maximum bonding due to diffusion and optimal CTE
- Unrestricted for all indications
- No size restrictions
- No chipping

Elaboro Zirconia
PRICE LIST

elaboro®

D98 Open Milling System

D95 Zirconia Tooth System

98x71 (Amann Girrbach)

One price for all systems and all colors

Blank Size	TT ME	4D ME	4D MF	ST ML	TT P	ST P	TT	ST	HT
10mm	129,00€	119,00€	119,00€	109,00€	99,00€	89,00€	79,00€	69,00€	59,00€
12mm	139,00€	129,00€	129,00€	119,00€	109,00€	99,00€	89,00€	79,00€	69,00€
14mm	149,00€	139,00€	139,00€	129,00€	119,00€	109,00€	99,00€	89,00€	79,00€
16mm	159,00€	149,00€	149,00€	139,00€	129,00€	119,00€	109,00€	99,00€	89,00€
18mm	169,00€	159,00€	159,00€	149,00€	139,00€	129,00€	119,00€	109,00€	99,00€
20mm	179,00€	169,00€	169,00€	159,00€	149,00€	139,00€	129,00€	119,00€	109,00€
22mm	189,00€	179,00€	179,00€	169,00€	159,00€	149,00€	139,00€	129,00€	119,00€
25mm	199,00€	189,00€	189,00€	179,00€	169,00€	159,00€	149,00€	139,00€	129,00€

How to order:

System	Size	Type	Color	PCS
D98 / D95 / 98x71	16mm	4D MF	A3	1

elaboro®

The finest Scanspray
for the best scanning results

elaboro® SCANSPRAY 100ml:
REF: ela 5095-100 | 39,00€

elaboro® SCANSPRAY 200ml:
REF: ela 5095-200 | 58,00€

- **Free of TiO_2**
- **Very long range**
- **Matting layer thickness less than 1 µm**
- **Exact contours on all surfaces and materials**

Hagenower Str. 73 | 19061 Schwerin | Germany

+49.385.3993.300 **info@elaboro.de** **www.elaboro.de**