

Z-CAD® One4All - The Flexible One

45% translucency combined with high flexural strength. Adaptation in CAD/CAM. For all anterior and posterior restorations.



Flexibility in the CAD/CAM jungle

Z-CAD® One4All

Here the name stands for itself. This multi purpose biocompatible material fulfills highest esthetic requirements in the anterior and posterior regions for 1-16 unit restorations.

Stay flexible, one disc offering all solutions. Crowns, partial crowns, veneers, inlays, onlays and bridges are indicated with this material. Bar constructions, supra structures and hybrid dentures, the choice is tremendous, to mill in one process.

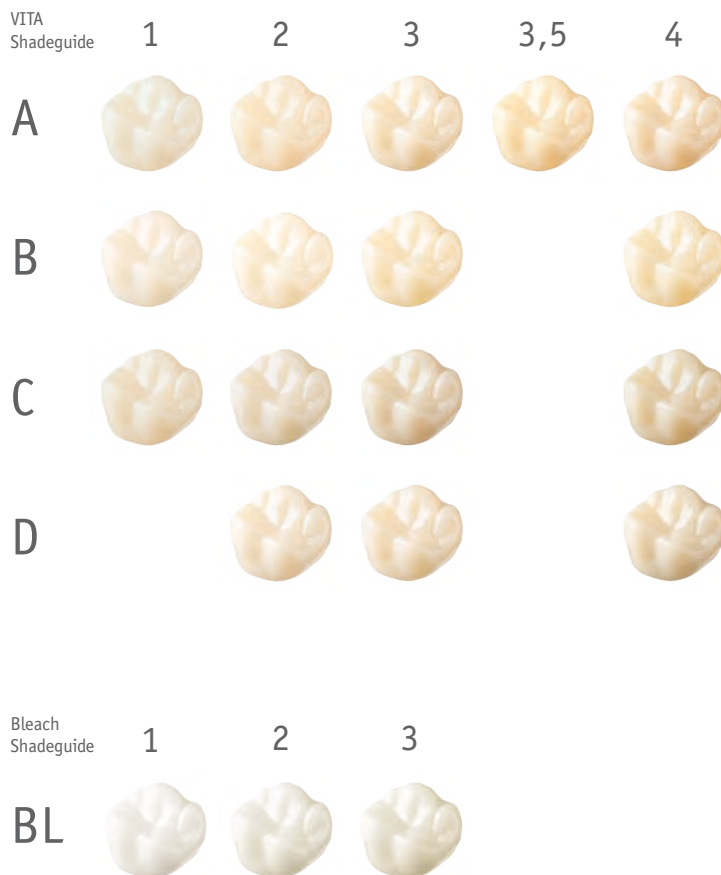
Screw or cement retained, your restoration will fulfill all your needs. The finished Z-CAD® One4All material can be finally inserted in the mouth as monolithic or veneered restoration.

Optionally you can individualize the substructures with equivalent veneering materials. Alternatively, Zirconia press-ceramic can be utilized.

Z-CAD® One4All

The Flexible One

Is a high-performance zirconia which meets the ISO 6872:2019 standard class 5, it is available in white, three bleach shades, or all 16 A1-D4 dentin colors, according to the *Vita classical A1-D4 color system. Typical strength of more than 1000 MPa (biaxial measurement). Translucency of 45%. The flexibel solution for daily business in the dental laboratory. For customization of the white substructures we recommend Z-CAD® Surface liquid. This is extremely wellsuited for dipping or paint-on methods.



Metoxit Z-CAD® One4All pre colored zirconia blanks

Art. No.	Product One4All Bleach BL1 - BL3	Geometry Ø 98,5mm*
411921	Z-CAD One4All 98.5x10mm BL1	
411922	Z-CAD One4All 98.5x12mm BL1	
411923	Z-CAD One4All 98.5x14mm BL1	
411924	Z-CAD One4All 98.5x16mm BL1	
411925	Z-CAD One4All 98.5x18mm BL1	
411926	Z-CAD One4All 98.5x20mm BL1	
411927	Z-CAD One4All 98.5x22mm BL1	
411928	Z-CAD One4All 98.5x25mm BL1	
411929	Z-CAD One4All 98.5x30mm BL1	
411930	Z-CAD One4All 98.5x10mm BL2	
411931	Z-CAD One4All 98.5x12mm BL2	
411932	Z-CAD One4All 98.5x14mm BL2	
411933	Z-CAD One4All 98.5x16mm BL2	
411934	Z-CAD One4All 98.5x18mm BL2	
411935	Z-CAD One4All 98.5x20mm BL2	
411936	Z-CAD One4All 98.5x22mm BL2	
411937	Z-CAD One4All 98.5x25mm BL2	
411938	Z-CAD One4All 98.5x30mm BL2	
411939	Z-CAD One4All 98.5x10mm BL3	
411940	Z-CAD One4All 98.5x12mm BL3	
411941	Z-CAD One4All 98.5x14mm BL3	
411942	Z-CAD One4All 98.5x16mm BL3	
411943	Z-CAD One4All 98.5x18mm BL3	
411944	Z-CAD One4All 98.5x20mm BL3	
411945	Z-CAD One4All 98.5x22mm BL3	
411946	Z-CAD One4All 98.5x25mm BL3	
411947	Z-CAD One4All 98.5x30mm BL3	

Metoxit Z-CAD® One4All pre colored zirconia blanks

Art. No.	Product One4All A1 - A4	Geometry Ø 98,5mm*
411303	Z-CAD One4All 98.5x10mm A1	
411304	Z-CAD One4All 98.5x12mm A1	
411305	Z-CAD One4All 98.5x14mm A1	
411306	Z-CAD One4All 98.5x16mm A1	
411307	Z-CAD One4All 98.5x18mm A1	
411308	Z-CAD One4All 98.5x20mm A1	
411888	Z-CAD One4All 98.5x22mm A1	
411309	Z-CAD One4All 98.5x25mm A1	
411889	Z-CAD One4All 98.5x30mm A1	
411310	Z-CAD One4All 98.5x10mm A2	
411311	Z-CAD One4All 98.5x12mm A2	
411312	Z-CAD One4All 98.5x14mm A2	
411313	Z-CAD One4All 98.5x16mm A2	
411314	Z-CAD One4All 98.5x18mm A2	
411315	Z-CAD One4All 98.5x20mm A2	
411890	Z-CAD One4All 98.5x22mm A2	
411316	Z-CAD One4All 98.5x25mm A2	
411891	Z-CAD One4All 98.5x30mm A2	
411317	Z-CAD One4All 98.5x10mm A3	
411318	Z-CAD One4All 98.5x12mm A3	
411319	Z-CAD One4All 98.5x14mm A3	
411320	Z-CAD One4All 98.5x16mm A3	
411321	Z-CAD One4All 98.5x18mm A3	
411322	Z-CAD One4All 98.5x20mm A3	
411892	Z-CAD One4All 98.5x22mm A3	
411323	Z-CAD One4All 98.5x25mm A3	
411893	Z-CAD One4All 98.5x30mm A3	
411324	Z-CAD One4All 98.5x10mm A3.5	
411325	Z-CAD One4All 98.5x12mm A3.5	
411326	Z-CAD One4All 98.5x14mm A3.5	
411327	Z-CAD One4All 98.5x16mm A3.5	
411328	Z-CAD One4All 98.5x18mm A3.5	
411329	Z-CAD One4All 98.5x20mm A3.5	
411894	Z-CAD One4All 98.5x22mm A3.5	
411330	Z-CAD One4All 98.5x25mm A3.5	
411895	Z-CAD One4All 98.5x30mm A3.5	
411331	Z-CAD One4All 98.5x10mm A4	
411332	Z-CAD One4All 98.5x12mm A4	
411333	Z-CAD One4All 98.5x14mm A4	
411334	Z-CAD One4All 98.5x16mm A4	
411335	Z-CAD One4All 98.5x18mm A4	
411336	Z-CAD One4All 98.5x20mm A4	
411896	Z-CAD One4All 98.5x22mm A4	
411337	Z-CAD One4All 98.5x25mm A4	
411897	Z-CAD One4All 98.5x30mm A4	

Art. No.	Product One4All B1 - B4	Geometry Ø 98,5mm*
411338	Z-CAD One4All 98.5x10mm B1	
411339	Z-CAD One4All 98.5x12mm B1	
411340	Z-CAD One4All 98.5x14mm B1	
411341	Z-CAD One4All 98.5x16mm B1	
411342	Z-CAD One4All 98.5x18mm B1	
411343	Z-CAD One4All 98.5x20mm B1	
411898	Z-CAD One4All 98.5x22mm B1	
411344	Z-CAD One4All 98.5x25mm B1	
411899	Z-CAD One4All 98.5x30mm B1	
411347	Z-CAD One4All 98.5x10mm B2	
411348	Z-CAD One4All 98.5x12mm B2	
411349	Z-CAD One4All 98.5x14mm B2	
411350	Z-CAD One4All 98.5x16mm B2	
411351	Z-CAD One4All 98.5x18mm B2	
411352	Z-CAD One4All 98.5x20mm B2	
411900	Z-CAD One4All 98.5x22mm B2	
411353	Z-CAD One4All 98.5x25mm B2	
411901	Z-CAD One4All 98.5x30mm B2	
411354	Z-CAD One4All 98.5x10mm B3	
411355	Z-CAD One4All 98.5x12mm B3	
411356	Z-CAD One4All 98.5x14mm B3	
411357	Z-CAD One4All 98.5x16mm B3	
411358	Z-CAD One4All 98.5x18mm B3	
411359	Z-CAD One4All 98.5x20mm B3	
411902	Z-CAD One4All 98.5x22mm B3	
411360	Z-CAD One4All 98.5x25mm B3	
411903	Z-CAD One4All 98.5x30mm B3	
411361	Z-CAD One4All 98.5x10mm B4	
411362	Z-CAD One4All 98.5x12mm B4	
411363	Z-CAD One4All 98.5x14mm B4	
411364	Z-CAD One4All 98.5x16mm B4	
411365	Z-CAD One4All 98.5x18mm B4	
411366	Z-CAD One4All 98.5x20mm B4	
411904	Z-CAD One4All 98.5x22mm B4	
411367	Z-CAD One4All 98.5x25mm B4	
411905	Z-CAD One4All 98.5x30mm B4	

*Additional shapes and sizes
(e.g. cylindrical or Ø 95mm) on request

SWISS MADE

Z-CAD® One4All The Flexible One
Bending strength > 1000Mpa
ISO 6872:2019 Class 5

Metoxit Z-CAD® One4All pre colored zirconia blanks

Art. No.	Product One4All C1 - C4	Geometry Ø 98,5mm*
411368	Z-CAD One4All 98.5x10mm C1	
411369	Z-CAD One4All 98.5x12mm C1	
411370	Z-CAD One4All 98.5x14mm C1	
411371	Z-CAD One4All 98.5x16mm C1	
411372	Z-CAD One4All 98.5x18mm C1	
411373	Z-CAD One4All 98.5x20mm C1	
411906	Z-CAD One4All 98.5x22mm C1	
411374	Z-CAD One4All 98.5x25mm C1	
411907	Z-CAD One4All 98.5x30mm C1	
411375	Z-CAD One4All 98.5x10mm C2	
411376	Z-CAD One4All 98.5x12mm C2	
411377	Z-CAD One4All 98.5x14mm C2	
411378	Z-CAD One4All 98.5x16mm C2	
411379	Z-CAD One4All 98.5x18mm C2	
411380	Z-CAD One4All 98.5x20mm C2	
411908	Z-CAD One4All 98.5x22mm C2	
411381	Z-CAD One4All 98.5x25mm C2	
411909	Z-CAD One4All 98.5x30mm C2	
411382	Z-CAD One4All 98.5x10mm C3	
411383	Z-CAD One4All 98.5x12mm C3	
411384	Z-CAD One4All 98.5x14mm C3	
411385	Z-CAD One4All 98.5x16mm C3	
411386	Z-CAD One4All 98.5x18mm C3	
411387	Z-CAD One4All 98.5x20mm C3	
411910	Z-CAD One4All 98.5x22mm C3	
411388	Z-CAD One4All 98.5x25mm C3	
411911	Z-CAD One4All 98.5x30mm C3	
411389	Z-CAD One4All 98.5x10mm C4	
411390	Z-CAD One4All 98.5x12mm C4	
411391	Z-CAD One4All 98.5x14mm C4	
411392	Z-CAD One4All 98.5x16mm C4	
411393	Z-CAD One4All 98.5x18mm C4	
411394	Z-CAD One4All 98.5x20mm C4	
411912	Z-CAD One4All 98.5x22mm C4	
411395	Z-CAD One4All 98.5x25mm C4	
411913	Z-CAD One4All 98.5x30mm C4	

Art. No.	Product One4All D2 - D4	Geometry Ø 98,5mm*
411396	Z-CAD One4All 98.5x10mm D2	
411397	Z-CAD One4All 98.5x12mm D2	
411398	Z-CAD One4All 98.5x14mm D2	
411399	Z-CAD One4All 98.5x16mm D2	
411400	Z-CAD One4All 98.5x18mm D2	
411401	Z-CAD One4All 98.5x20mm D2	
411914	Z-CAD One4All 98.5x22mm D2	
411402	Z-CAD One4All 98.5x25mm D2	
411915	Z-CAD One4All 98.5x30mm D2	
411403	Z-CAD One4All 98.5x10mm D3	
411404	Z-CAD One4All 98.5x12mm D3	
411405	Z-CAD One4All 98.5x14mm D3	
411406	Z-CAD One4All 98.5x16mm D3	
411407	Z-CAD One4All 98.5x18mm D3	
411408	Z-CAD One4All 98.5x20mm D3	
411916	Z-CAD One4All 98.5x22mm D3	
411409	Z-CAD One4All 98.5x25mm D3	
411917	Z-CAD One4All 98.5x30mm D3	
411410	Z-CAD One4All 98.5x10mm D4	
411411	Z-CAD One4All 98.5x12mm D4	
411412	Z-CAD One4All 98.5x14mm D4	
411413	Z-CAD One4All 98.5x16mm D4	
411414	Z-CAD One4All 98.5x18mm D4	
411415	Z-CAD One4All 98.5x20mm D4	
411918	Z-CAD One4All 98.5x22mm D4	
411416	Z-CAD One4All 98.5x25mm D4	
411919	Z-CAD One4All 98.5x30mm D4	

Metoxit Z-CAD® One4All white zirconia blanks

Art. Nr.	Product One4All white	Geometry Ø 98,5mm*
409714	Z-CAD One4All 98.5x10mm white	
409715	Z-CAD One4All 98.5x12mm white	
409716	Z-CAD One4All 98.5x14mm white	
409717	Z-CAD One4All 98.5x16mm white	
409718	Z-CAD One4All 98.5x18mm white	
409719	Z-CAD One4All 98.5x20mm white	
409720	Z-CAD One4All 98.5x22mm white	
409721	Z-CAD One4All 98.5x25mm white	
411920	Z-CAD One4All 98.5x30mm white	

*Additional shapes and sizes
(e.g. cylindrical or Ø 95mm) on request

SWISS MADE

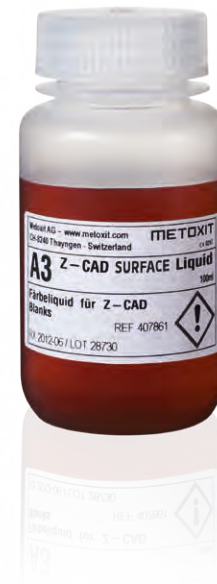
Z-CAD® One4All The Flexible One
Translucency (1mm, D65) = 45%
ISO 6872:2019 Class 5

Z-CAD® Surface liquid

These ready to use, water soluble, infiltration liquids are specifically produced, to color the Metoxit AG white zirconia substructures. Regardless if dipping or paint-on methods are applied the coloring liquids emerge into the surface of unsintered substructures.

Z-CAD® Surface liquid dentin

Art. No.	Product Surface liquid A1-D4	Content
411976	Z-CAD Surface liquid A1	100 ml
411977	Z-CAD Surface liquid A2	100 ml
411978	Z-CAD Surface liquid A3	100 ml
411979	Z-CAD Surface liquid A3.5	100 ml
411980	Z-CAD Surface liquid A4	100 ml
411981	Z-CAD Surface liquid B1	100 ml
411982	Z-CAD Surface liquid B2	100 ml
411983	Z-CAD Surface liquid B3	100 ml
411984	Z-CAD Surface liquid B4	100 ml
411985	Z-CAD Surface liquid C1	100 ml
411986	Z-CAD Surface liquid C2	100 ml
411988	Z-CAD Surface liquid C3	100 ml
411989	Z-CAD Surface liquid C4	100 ml
411990	Z-CAD Surface liquid D2	100 ml
412002	Z-CAD Surface liquid D3	100 ml
411991	Z-CAD Surface liquid D4	100 ml



This perfectly tuned system of Z-CAD® Surface liquids offers easy handling and a high reproducibility for to be colored restorations.

The Z-CAD® Surface liquid Set is comprised of the 16 dentin colors, according to the *Vita classical A1-D4 color system.

We also offer a Z-CAD® Surface

liquid "effect set" which is comprised of eight colors for individualization.

Z-CAD® Surface liquid effect

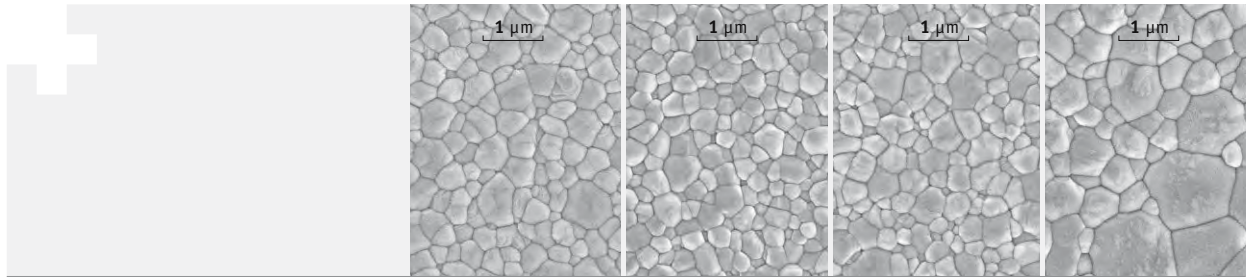
Art. No.	Product Surface liquid Special	Content
411992	Z-CAD Surface liquid blue1	100 ml
411993	Z-CAD Surface liquid blue2	100 ml
411994	Z-CAD Surface liquid grey1	100 ml
411995	Z-CAD Surface liquid grey2	100 ml
411996	Z-CAD Surface liquid yellow	100 ml
411997	Z-CAD Surface liquid orange	100 ml
411998	Z-CAD Surface liquid brown	100 ml
411999	Z-CAD Surface liquid pink	100 ml

Z-CAD® Surface liquid sets

Art. No.	Product Surface liquid set	Content
412000	Z-CAD Surface liquid dentin set	16 x 100 ml
412001	Z-CAD Surface liquid effect set	8 x 100 ml

*VITA classical A1 - D4® is a registered trademark of VITA Zahnfabrik H. Rauter GmbH & Co. KG in Bad Säckingen.

Z-CAD® Materials



	Units	Z-CAD® HD	Z-CAD® HTL	Z-CAD® One4All	Z-CAD® smile
Chemical Composition					
ZrO ₂ + HfO ₂ + Y ₂ O ₃	wt%	> 99.5	> 99.5	> 99.5	> 99.5
Y ₂ O ₃	wt%	5.2	5.2	6.9	9.3
Al ₂ O ₃	wt%	0.25	0.05	0.05	0.05
Sum of all other oxides	wt%	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Properties					
Density	g/cm ³	6.08	6.08	6.06	6.04
Bending strength (biaxial)	MPa	> 1100	> 1100	> 1000	> 610
Grain size	µm	< 0.4	< 0.4	< 0.5	< 0.6
Fracture Toughness K _{1c}	MPa√m	5	5	5	3.5
Hardness HV ₁₀	-	1250	1250	1250	1250
Translucency (1mm, D65)	%	35	41	45	49
Coefficient of thermal expansion (CTE)	10 ⁻⁶ /K	11.2	11.2	10.8	10.6
Thermal conductivity	W/mK	2.5	2.5	2.5	2.5
Solubility (acetic acid)	µg/cm ²	≤ 100	≤ 100	≤ 100	≤ 100
Radioactivity	Bq/kg	≤ 200	≤ 200	≤ 200	≤ 200
Indications					
		bar constructions, discoloration, abutments, frames...	bar constructions, Suprastructures, frames, bridges...	inlay, onlay, veneer, crowns, bridges...	inlay, onlay, veneer, crowns, 3-unit bridges...
Normative specification					
		dental restorations according to ISO 6872:2019 class 5	dental restorations according to ISO 6872:2019 class 5	dental restorations according to ISO 6872:2019 class 5	dental restorations according to ISO 6872:2019 class 4

All information and data correspond to the present state of our knowledge concerning properties and applications. For more specific product information, see our instructions for use. If you do not comply with the instructions for use no guarantee for the specified material properties is taken.