



NexxZr.⁺

High translucent.
Esthetic zirconia.

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NexxZr[®]+



NexxZr[®]+ is a dental zirconium oxide (4Y-TZP) with high translucency (46 %) and high flexural strength values (white 1000 MPa, preshaded 880 MPa).

It combines the good block-out characteristics with high brightness value and optimally adjusted translucency achieving outstanding esthetics for both anterior and posterior full contour restorations. The good mechanical properties enable a wide range of indications. The NexxZr⁺ Coloring Liquids permit the individual shading of NexxZr⁺ white.

Technical data



Type
4Y-TZP



Flexural strength
1000 MPa (white)
880 MPa (preshaded)



Translucency
46 %



Indications
Single-unit restorations
up to multi-unit (white)
or 3-unit (preshaded)
bridges



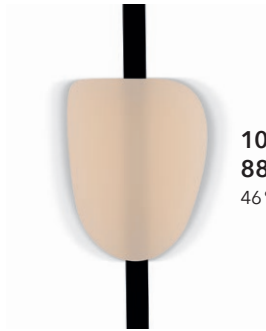
Processing techniques
Infiltration technique
Staining technique
Cut-back technique
Layering technique
(CTE Ceramic <math>< 9.6 \times 10^{-6}/K</math>)

Highlights

1

Optimally adjusted translucency

Outstanding esthetics, good block-out characteristics and high brightness value



1000 MPa (white)
880 MPa (preshaded)
46% Translucency

High Translucency



Outstanding esthetic properties

2

High strength values (white 1000 MPa, preshaded 880 MPa)

Wide range of indications



Single-unit restoration up to multi-unit bridges

3

Preshaded or white discs for individual infiltration

Efficient fabrication of monolithic restorations



NexxZr+ preshaded



NexxZr+ white individually infiltrated and veneered

Sintering programs

	Number of units	Duration	Phase	Temperature	Heating / Cooling rate	Holding Time
		h		°C	°C/min.	min.
Standard	1-5	~3.7	1	20-1300	30	30
			2	1300-1530	40	60
			3	1530-900	15	-
			4	900-80	20	-
	5-10	~5.2	1	20-1300	30	60
			2	1300-1530	40	120
			3	1530-900	15	-
			4	900-80	20	-
Long	1-20	~10.7	1	20-900	10	10
			2	900-1530	3	150
			3	1530-80	8	-
	>21	~11.7	1	20-900	10	10
			2	900-1530	3	210
			3	1530-80	8	-
Over night	unlimited	~14.3	1	20-250	2	-
			2	250-1530	4	240
			3	1530-80	8	-

For more detailed information, please refer to the NexxZr instructions for use.



Delivery forms

Geometries
W-98, Z-95

Thicknesses
10, 12, 14, 16, 18, 20, 22, 25 mm

Colors
White, A1, A2, A3, A3.5, B1, B2

Other top products



NexxZr Tool D

High-performance dental milling tools made of premium carbide with an ultra-hard, nanocrystalline diamond coating



NexxZr+ Coloring Liquids

Water-based infiltration liquids for the individual coloring of NexxZr+ zirconia



NexxZr+ Multi

Multilayer zirconium oxide with natural esthetics



NexxZr T Multi

A multilayer zirconium oxide with multifunctional esthetics and a wide variety of indications

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