



NexxZr<sup>+</sup>

High translucent.  
Esthetic zirconia.

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NexxZr<sup>®</sup>+



**NexxZr<sup>®</sup>+** 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<sup>+</sup> Coloring Liquids permit the individual shading of NexxZr<sup>+</sup> white.

#### Technical data



**Type**  
4Y-TZP



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



**Translucency**  
46 %



**Indications**  
Single-unit restorations and 3-unit bridges



**Processing techniques**  
Infiltration technique  
Staining technique  
Cut-back technique  
Layering technique

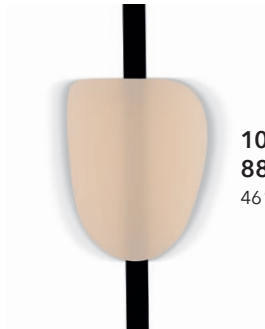
## Highlights

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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 restorations and 3-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   °F                   | °C/min.   °F/min.      | min.         |
| Standard   | 1 - 5           | ~ 3.7    | 1     | 20 - 1300   68 - 2372     | 30   54                | 30           |
|            |                 |          | 2     | 1300 - 1530   2372 - 2786 | 40   72                | 60           |
|            |                 |          | 3     | 1530 - 900   2786 - 1652  | 15   27                | -            |
|            |                 |          | 4     | 900 - 80   1652 - 176     | 20   36                | -            |
|            | 5 - 10          | ~ 5.2    | 1     | 20 - 1300   68 - 2372     | 30   54                | 60           |
|            |                 |          | 2     | 1300 - 1530   2372 - 2786 | 40   72                | 120          |
|            |                 |          | 3     | 1530 - 900   2786 - 1652  | 15   27                | -            |
|            |                 |          | 4     | 900 - 80   1652 - 176     | 20   36                | -            |
| Long       | 1 - 20          | ~ 10.7   | 1     | 20 - 900   68 - 1652      | 10   18                | 10           |
|            |                 |          | 2     | 900 - 1530   1652 - 2786  | 3   5.4                | 150          |
|            |                 |          | 3     | 1530 - 80   2786 - 176    | 8   14.4               | -            |
|            | > 21            | ~ 11.7   | 1     | 20 - 900   68 - 1652      | 10   18                | 10           |
|            |                 |          | 2     | 900 - 1530   1652 - 2786  | 3   5.4                | 210          |
|            |                 |          | 3     | 1530 - 80   2786 - 176    | 8   14.4               | -            |
| Over night | unlimited       | ~ 14.3   | 1     | 20 - 250   68 - 482       | 2   3.6                | -            |
|            |                 |          | 2     | 250 - 1530   482 - 2786   | 4   7.2                | 240          |
|            |                 |          | 3     | 1530 - 80   2786 - 176    | 8   14.4               | -            |



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



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Delivery forms

**Geometries**  
W-98, Z-95

**Thicknesses**  
10, 12, 14, 16, 18, 20, 22, 25, 30 mm

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

Manufacturer

Sagemax Bioceramics, Inc.  
34210 9th Ave. South, Suite 118  
Federal Way, WA 98003, USA  
sagemax.com