

# INFINIDENT

SOLUTIONS



## IPS e.max<sup>®</sup> ZirCAD Prime

The zirconium dioxide with unique gradient technology (GT)

**WAK (25 – 500 °C)\***

$10.5 \pm 0.5 \cdot 10^{-6} \cdot K^{-1}$

**FLEXURAL STRENGTH\***

up to 1,200 MPa (3Y-TZP)



## INDICATIONS

- + Fully anatomical crowns
- + Fully anatomical three-to multi-unit bridges in the anterior and posterior tooth area
- + Crowns and bridge frames for three to multi-unit bridges

## ADVANTAGES

- + High-end aesthetics comparable with lithium disilicate glass ceramics
- + All indications
- + Best aesthetics thanks to innovative gradient technology

## NOTES

IPS e.max® ZirCAD Prime stands for top quality and aesthetics - comparable with lithium disilicate glass ceramics. This is made possible by what is known as gradient technology, an innovative process technology used in manufacturing the material. This combines the two materials 3Y-TZP (high tensile zirconium dioxide) and 5Y-TZP (high translucent zirconium dioxide), thereby making the remarkable properties of the material possible.

Every technique is possible for processing the restorations provided by INFINIDENT: staining, cut-back and veneering. IPS e.max® ZirCAD Prime is compatible with the IPS e.max® system. Please observe the processing instructions of the respective manufacturer.

## COMPOSITION\*

Zirconium dioxide ( $ZrO_2$ )	88.0 – 95.5 %
Yttrium(III) oxide ( $Y_2O_3$ )	> 4.5 % – ≤ 7.0 %
Hafnium dioxide ( $HfO_2$ )	≤ 5.0 %
Aluminium oxide ( $Al_2O_3$ )	≤ 1.0 %
other oxides	≤ 1.5 %

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