

+ recommended +/- possible - not recommended \*\*\*\*\* very high \*\*\*\* high \*\*\* moderate \*\* low \* very low

	3-point-flexural strength [MPa]	Translucency	Esthetic potential	Minimum thickness	Conventional cementation possible?	Pre-treatment of material for adhesive bonding	Posterior crown	Fabrication effort / cost	Anterior crown	Fabrication effort / cost
<b>Silicate ceramics</b>										
<b>Glass Ceramics / Feldspathic Ceramics</b>	< 200	*****	*****	1.5 mm (0.5 mm for veneers)	<b>no</b>	acid-etch with 5 % hydrofluoric acid	+ / -	*****	+	*****
<b>Lithium Disilicate / Lithium Silicate</b>	360-530	****	****	1.0 to 1.5 mm	<b>yes</b>	acid-etch with 5 % hydrofluoric acid	+	****	+	****
<b>Oxide ceramics (e.g. zirconia)</b>										
<b>Translucent Cubic 5Y-TZP Zirconia</b> (e.g. 3M™ Lava™ Esthetic Fluorescent Full-Contour Zirconia)	800 <sup>1</sup>	***	***	0.8 mm <sup>1</sup>	<b>yes</b>	sandblasting with alumina <sup>1</sup> (grain size max. 30–50 µm, max. 2 bar)	+	***	+ / -	***
<b>Translucent 3Y-TZP Zirconia</b> (e.g. 3M™ Lava™ Plus High-Translucency Zirconia)	> 1.000 <sup>1</sup>	**	**	0.3 to 0.5 mm <sup>1</sup>	<b>yes</b>	sandblasting with alumina <sup>1</sup> (grain size max. 30–50 µm, max. 2 bar)	+	***	<b>hand-veneered</b>	*****
<b>3Y-TZP Zirconia</b> (e.g. 3M™ Lava™ Frame Zirconia)	> 1.000 <sup>1</sup>	*	***** (hand-veneered)	0.3 to 0.5 mm <sup>1</sup> (1.5 mm with veneering porcelain)	<b>yes</b>	sandblasting with alumina <sup>1</sup> (grain size max. 30–50 µm, max. 2 bar)	<b>hand-veneered</b>	*****	<b>hand-veneered</b>	*****

**Table 2: Different ceramic materials and their relevant properties for material selection.**

<sup>1</sup>Values for specific material according to manufacturer recommendation.

All other recommendations and ratings are based on the expert consensus of the five clinicians.