

IPS e.max ZirCAD Prime		IPS e.max ZirCAD Prime Esthetic
	The all-round disc for a wide variety of applications and techniques	The specialist disc for the efficient fabrication of natural-looking crowns
<b>Class of material</b>	incisal: 5Y-TZP dentin: 3Y-TZP	incisal: 5Y-TZP dentin: 4Y-TZP
<b>Shade</b>	BL1, BL2, BL3, BL4, A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4	BL1, BL2, BL3, BL4, A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4
<b>Disc thickness (Ø 98.5 mm)</b>	16 mm, 20 mm, 25mm	14mm, 16mm, 20mm
<b>Flexural strength</b>	650 MPa (incisal) 1200 MPa (dentin)	650 MPa (incisal) 850 MPa (dentin)
<b>Fracture toughness<sup>[9]</sup></b>	>5.0 MPa • m <sup>1/2</sup> (dentin)	3.6 MPa • m <sup>1/2</sup> (dentin)
<b>Minimum wall thickness (crown)</b>	Anterior tooth monolithic: 0.8 mm Posterior tooth monolithic: 1.0 mm	Anterior tooth monolithic: 0.8 mm Posterior tooth monolithic: 1.0 mm
<b>Applications</b>	<ul style="list-style-type: none"> <li>– Crowns and crown copings</li> <li>– 3-unit bridges and bridge frameworks</li> <li>– 4-unit and multi-unit bridges and bridge frameworks with max. 2 pontics</li> <li>– Crowns and bridges on natural teeth and on implant systems</li> </ul>	<ul style="list-style-type: none"> <li>– Crowns</li> <li>– 3-unit bridges with max. 1 pontic</li> </ul>
<b>Recommended fabrication techniques</b>	<ul style="list-style-type: none"> <li>– Staining and glazing</li> <li>– Brush infiltration with LT Colouring and Effect liquids</li> <li>– Cut-back</li> <li>– Layering</li> </ul>	<ul style="list-style-type: none"> <li>– Polishing</li> <li>– Staining and glazing</li> <li>– Cut-back</li> </ul>

[9] Measurement of the fracture toughness using the Vickers testing method (dentin): R&D Ivoclar Vivadent AG, Schaan, Liechtenstein