





Indication and use of the visio.lign primers

visio.lign

Material	Conditioning	Primer	Bonding to	
<p>Ceramic</p> <ul style="list-style-type: none"> Silicate ceramic (CAD blanks/Mark II/ Lithium (di)silicate/glass ceramic Press ceramic/veneering ceramic 	<p>Oral: roughen with coarse diamond – without water cooling. Avoid contact with water! If required, clean with alcohol</p> <p>Extraoral: sandblast with 110 µm aluminium oxide.</p>	 <p>K-Primer Apply two times and allow to evaporate REF APK25003</p>	<p>Composite</p> <p>Opaquer Zirkonliner</p> <p>Opaquer</p> <p>Opaquer Composite</p>	
<p>Metal/Titanium</p> <ul style="list-style-type: none"> CoCr (PMF/NPM) alloys Titanium alloys 		<p>Zirconium max. 2 bar NPM/Titanium/CoCr 3 to 4 bar</p>  <p>MKZ Primer REF MKZ02004</p>		<p>Allow to evaporate for approx. 30 seconds Do not use glass or ceramic trays!</p>
<p>Zirconium</p> <ul style="list-style-type: none"> Zirconium dioxide (aluminium oxide/spinell ceramic) 		<p>Zirconium max. 2 bar NPM/Titanium/CoCr 3 to 4 bar</p>  <p>MKZ Primer REF MKZ02004</p> <p>MKZ EM-Aktivator REF MKZEM004</p>		
<p>Precious metal</p> <ul style="list-style-type: none"> Precious metal alloys (Au/Ag/Pt/Pd) eco alloys (precious metal-reduced alloys) 		<p>Zirconium max. 2 bar NPM/Titanium/CoCr 3 to 4 bar</p>  <p>visio.link REF VLPMMMA10 Apply thinly</p>		<p>Polymerization time: 90 seconds 370 - 500 nm</p>
<p>Polymers/Composites</p> <ul style="list-style-type: none"> High-performance polymers BioHPP/BioXS (PEEK/PEKK) Composites (veneering composite/ composite teeth) PMMA materials 	<p>2 bar</p>	<p>Apply composite/ opaquer thinly, polymerize with halogen or LED lamp for 30 seconds.</p> <p>Apply thin layers of crea.lign composite, remove inhibition layer with alcohol. Polishing includes pre- and high gloss polishing.</p>		

Concept: Stephan Adler (DT), Landsberg am Lech (Germany)

1. Chipping within the ceramic veneer (no substructure material visible)

- Remove contaminations on the surface (plaque accumulation/discoloration).
- Use a coarse diamond tool to roughen the surface to be repaired (without water cooling) or sandblast.
Do not rinse with water or clean with steam.
- Apply K-Primer generously, the surface may appear „wet“.
- Wait approx. 30 seconds until the surface is dry.
- Apply the matching shade of crea.lign (dentin/incisal)
- Remove inhibition layer (e.g. with alcohol)
- Polish the repaired area in two steps (prepolishing and high gloss polishing)



Veneering ceramic
Silicate ceramic
Press ceramic

2. Chipping down to the substructure material (the substructure is visible)

- Remove contaminations on the surface (plaque accumulation/discoloration).
- Use a coarse diamond tool to roughen the surface to be repaired (without water cooling) or sandblast.
Do not rinse with water or clean with steam.
- If the opaquer has remained on the substructure, do not remove it and roughen it as well.
- Apply copious amount of MKZ Primer to the metal and zirconium substructure, opaquer and the adjacent veneering ceramic.
- Wait approx. 30 seconds until the surface is dry.
- Apply tooth-colored opaquer to the substructure; Zirkonliner can be used for colored zirconium substructures.
Then polymerize with a halogen or LED lamp.
- Apply the matching shade of crea.lign dentin and incisal using intermediate polymerization of the various layers.
- Remove inhibition layer (e.g. with alcohol)
- Polish the repaired area in two steps (prepolishing and high gloss polishing)



CoCr
Ti
ZrO₂
AlO₃

In cases of chipping down to the substructure, MKZ EM-Aktivator needs to be mixed with MKZ Primer (1:1) and applied to the metal and the adjacent ceramic.



+



Au, Ag, Pt, Pd

