

HeraCeram® Zirkonia 750

Margin

Use of shoulder materials

Shoulder materials (margin) can also be used for all-ceramic restorations, for example, if the framework material in the marginal area of the crown adversely affects the natural aesthetics or the framework structure is to be corrected. HM shoulder materials are characterised

above all by their higher temperature stability and remain stable in subsequent firing. On the other hand, low-fusing LM shoulder materials (firing temperature 715°C) can be used for corrections to the finished restoration.



Fig. 53 Absence of margin closure in the disto-cervical region of the crown.



Fig. 54 HeraCeram insulation should be applied directly to the plaster surface. Previous sealing of the plaster surface impairs the insulating effect.

First layer with HM shoulder material



Fig. 55 The shoulder material is mixed with the SM liquid and applied in the cervical area of the crown and fired at 780 °C.



Fig. 56 After adjustment the ceramic shoulder fits perfectly.

LM shoulder material (low fusing)

With the LM shoulder materials, the ceramic shoulders can be produced after the actual veneering, in other words, after the glaze firing. With their low processing

temperature of 715°C, they are also suitable for all other adjustments, e.g. shape corrections or contact point additions.



Fig. 57 Finished veneer crown with incomplete margin closure



Fig. 58 Correction of the margin fitting with LM shoulder material.



Fig. 59 Correction of the contact point.