

# SCIENTIFIC REPORT

## Grandio Flow – Treatment of occlusal surfaces

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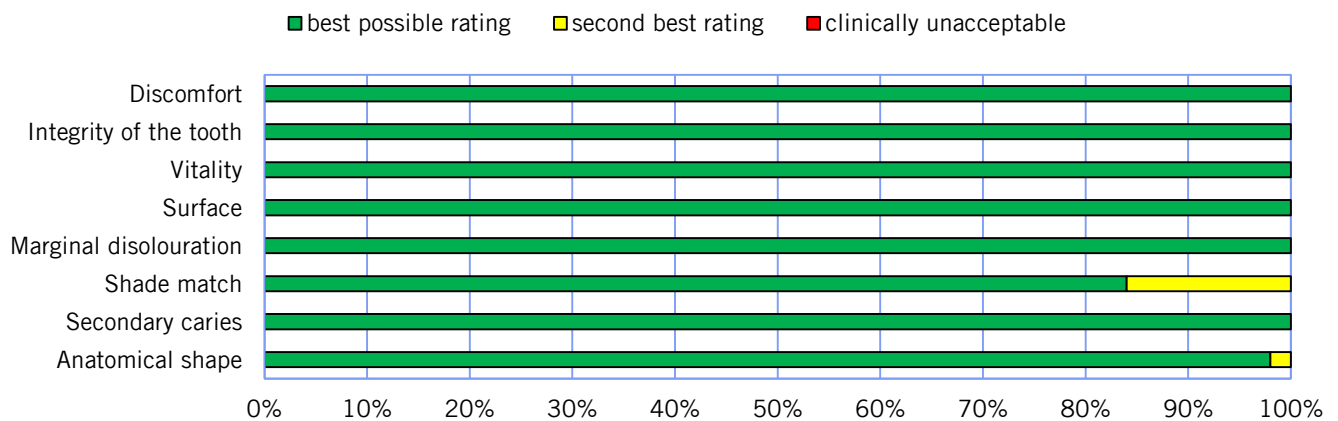
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**Flowables are used in most cases that involve extended fissure sealing and the restoration of small Class I cavities. The suitability of Grandio Flow for this indication was tested and rated in a 2 year study at the University of Mainz in Germany.**

### In-vivo study at the University of Mainz (Germany) <sup>[1]</sup>

Sealings with Grandio Flow were observed and rated over a period of 2 years in this study; Solobond M was used as the bond. The evaluation was subject to the Ryge and CDA criteria. Figure 1 shows the results after 24 months. The classification of best possible rating, second best rating (which always represents both clinically acceptable ratings) and clinically unacceptable were used in the graphic, since the criteria between the individually observed aspects differ.



**Figure 1:** Water absorption after storage in distilled water in the dark at 37° C

For the rating of shade match, it should be noted that the second best rating was already assigned to slight differences in the opacity. The shade however does not differ from the natural tooth shade with these sealings.

**Conclusion: Grandio Flow is excellently suited for the treatment of small defects in the occlusal surface and extended fissure sealing.**

[1] Prof. Dr. Ernst, University of Mainz, report to VOCO, December 2007.