



A 55-year-old patient presented to the office for treatment of tooth No. 29. He had a large existing composite with recurrent decay. The patient requested that the shade of the new restoration be matched to the crown on tooth No. 30 (Figure 1). The existing restoration and decay were removed and a core build-up was placed. The tooth was prepared for a full-coverage NobelProcera® zirconia crown (Nobel Biocare, www.nobelbiocare.com). Once the tooth was prepared, retraction cord (Ultrapak® No. 00, Ultradent Products, www.ultradent.com) was placed to displace the tissue and gain access to the margins. A single cord was used in this technique, and was left in place during the impression. To make the impression, the tooth was dried, and a non-perforated stock tray was painted with Identium® Tray Adhesive (Figure 2). Identium® Light fast-set impression material was syringed into the sulcus and covered the preparation (Figure 3). At the same time, the tray was filled using Identium® Heavy fast-set impression material. The tray was placed in the patient's mouth and held steady for 2 minutes, 15 seconds. Upon removal, the impression was inspected and sanitized (Figure 4). The impression was sent to the laboratory for pour-up and die fabrication (Figure 5), and the final restoration was delivered with minimal adjustment required (Figure 6).

Conclusion

The Identium® line of impression material is a combination of polyether and VPS impression material chemistry. resulting in a new category of impression materials—VSXE®. This new material has been optimized for the one-step impression technique or the monophase technique. Identium® is a multi-purpose type of impression material that can be used for impressions of implants, crowns/bridges, veneers, inlays/onlays and even full or partial dentures. Using proper technique and with a multi-purpose impression material such as Identium®, it is now easier to efficiently obtain predictable, accurate, high-quality impressions in the dental practice.

Disclosure

Dr. Baer received material support from Kettenbach GmbH & Co. KG for writing this article.

References

1. Kugel G, Klettke T, Goldberg JA, et al. Investigation of a new approach to measuring contact angles for hydrophilic impression materials J Prosthodont 2007:16(2):84-92

2. Perry RD, Goldberg JA, Benchimol J, Orfanidis J. Applicable research in practice: understanding the hydrophilic and flow property measurements impression materials. Compend Contin Educ Dent. 2006;27(10):582-586.

3. Mandikos M. Polyvinyl siloxane impression materials: An update on clinical use. Aust Dent J. 1998;43(6):428-434.

4. Stober T, Johnson GH, Schmitter M. Accuracy of the newly formulated vinyl siloxanether elastomeric impression material. J Prosthet Dent. 2010;103(4):228-239

5. German MJ, Carrick TE, McCabe JF. Surface detail reproduction of elastomeric impression materials related to rheological properties. Dent Mater. 2008;24(7):951-956.

6. Panichuttra R, Jones RM, Goodacre C, et al. Hydrophilic poly(vinyl siloxane) impression materials: dimensional accuracy, wettability, and effect on gypsum hardness. Int J Prosthodont. 1991;4(3):240-248.

About the Author

Christopher J. Baer, DMD Private Practice Aurora, Colorado

DentalAEGIS **Dental Continuing**

Education Subscribe

Inside Dentistry Online CE Facebook Contest Product Specials Resource Centers Subscribe

Special Issues

Compendium Online CE Facebook Product Specials **Resource Centers** Subscribe Special Issues

Inside Dental Technology Online CE Facebook IDT | Collaboration **Resource Centers** Subscribe Special Issues

CDEWorld.com Dental Online CE Hvaiene Online CE Assisting Online CE Live Events Webinars Speakers' Corner

Contact Us About Us Our Staff Advertisers Creative Services

© 2015 AEGIS Communications | Privacy Policy