KETTENBACH

The Importance of **What Lies Beneath**

Jon Julian, DDS, shares his experience using Visalys CemCore over the past two years and what makes the universal cementation and core buildup material unique

The world of dental restorative materials is evolving at an alarming rate, with no signs of slowing down. One constant, however, is the trend toward materials formulated to do double duty. Uniquely designed for both core buildups and cementation, Visalys CemCore—a self-proclaimed composite for all work under restorations—is one of those solutions.

"I've been using Visalys CemCore for the past 2 years for crown buildups, such as the one outlined in the case below, and just recently began using it for crown cementations," noted Jon Julian, DDS, a renowned dental author and educator who maintains an upscale private practice in Travelers Rest, SC. "I find it to be more easily applied than the previous materials I have used for core buildup, and just as reliable."

Strong, Esthetic, and Simple

Like other dual-curing adhesive cements, Visalys CemCore is compatible with all types of dental materials, restorations, and etching techniques. But what sets it apart from the pack is its performance in more challenging scenarios—for example, those that require extreme adhesive strength, such as adhesive bridges, or highly esthetic restorations such as veneers that require precise working time and high color stability.

What's behind Visalys CemCore's super strength and esthetics? Active-Connect-Technology, which allows optimal mixing of the hydrophobic cementation composite with the hydrophilic Visalys Tooth Primer on the damp surface of the tooth. This allows it to achieve a high adhesive strength despite its hydrophobic properties, while also avoiding swelling.

"I have not had a single problem with either the application or the preparation—in fact, I find fewer voids in the prep compared with other materials," added Dr. Julian.

Visalys CemCore offers the ideal shade for every patient, with 5 shades that each coordinate with a matching try-in paste. The material's hydrophobic property prevents the cement joint from staining, while removal of excess cement with tack curing is exceptionally easy.

RESTORING A DECAYED NO. 5 USING VISALYS CEMCORE:

Here, Dr. Julian shares a recent case where Visalys CemCore allowed him to provide the most conservative treatment possible to his patient.

An 81-year-old male reported to my office with a broken and decayed tooth No. 5. The loss of tooth structure was extensive, which created discussions around possible endodontic therapy with a crown, an extraction and implant, as well as a buildup and crown. The patient decided that he wanted the most conservative treatment possible.

Figure 1—Patient presents with broken and decayed tooth No. 5

To gain proper length of the supporting tooth structure, a CO_2 laser was used at 3.5 watts for 2 minutes to expose tooth structure and to create a dry field. The tooth was debrided and the bonding for the buildup was completed in a dry field. The tooth was prepared for a crown immediately and scanned with an iTero scanner.

Visalys CemCore, a dual-curing adhesive core buildup material, was placed without a matrix band, as I have not needed one since I started using this material. During crown preparation, there were no voids or uneven contours, which is consistent with each case I have prepared since I started using this material. Finally, the crown was cemented in place with Visalys CemCore and yielded a beautiful result that the patient was happy with.

Figure 2—CO_2 laser used to expose tooth structure and create a dry field

Figure 3—Visalys CemCore placed without a matrix and cured

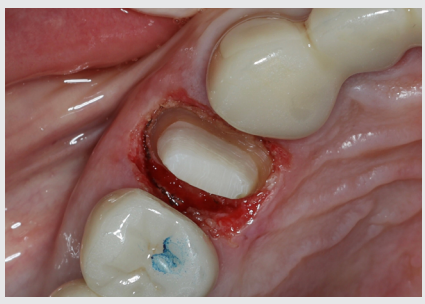

Figure 4—Crown preparation completed, and a digital scan taken

Figure 5—Crown is cemented in place using Visalys CemCore

Figure 6—Cement removal was extremely easy

Figure 7—Final postop view of completed restoration