

THE DENTAL ADVISORTM

"Improving Patient Care Through Research & Education"

July/Aug 2011

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Real World Clinical Solutions

Dentists and their staff face daily challenges with materials and equipment when treating patients. Most teams have identified "go to" products that solve problems. Products that can solve a clinical problem save time, headaches, and costs.

This issue of THE DENTAL ADVISOR reports on products recommended by the editorial team of THE DENTAL ADVISOR. Each product has been identified as an excellent choice for solving a particular clinical challenge.

RATINGS

Excellent	+++++
Very Good	++++
Good	+++

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REAL WORLD CLINICAL SOLUTIONS

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Assistants

CLINICAL PROBLEM SOLVERS

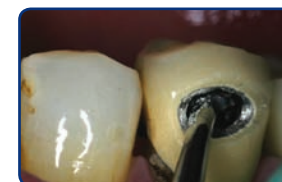
WAMkey - WAM

Clinical Problem

Spending too much time sectioning off old crowns that needed replacement.

Solution

The **WAMkey** (**WAM**) is definitely the simplest and most effective system for crown and bridge removal. It consists of three stainless steel implements with a key like tip of different sizes. A slot (3-4 mm long and 1.5 mm high) is created at the buccal aspect of the crown using a medium-grit, football-shaped diamond. A #2 round bur is then used to burrow between the tooth and the internal crown surface to provide enough access for the **WAMkey**. Insert the #1 **WAMkey** in the slot and rotate it slightly to engage the crown. In most cases the crown will lift up and separate from the tooth with ease.



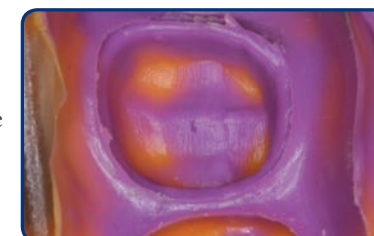
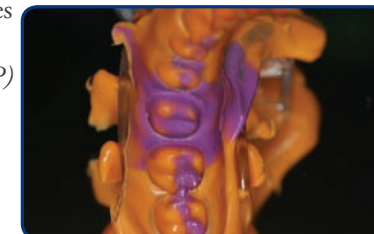
Panasil initial contact - Kettenbach LP

Clinical Problem

Margins that are hard to identify and distortions found in final PVS impressions.

Solution

Assistants want materials that are easy to extrude and colorful, and doctors want materials that are reliable, accurate and inexpensive. Patients want something that sets really fast and tastes good. **Panasil initial contact** (**Kettenbach LP**) has it all! I find that the color contrast is excellent, allowing for easy to read margins, and impressions are consistently void free. I use **Panasil initial contact** for taking all my single and multiple unit impressions.



BEYOND Polus Whitening System - BEYOND Dental & Health

Clinical Problem

Patients experience sensitivity with in-office whitening systems, and often only see average results.

Solution

BEYOND Polus Whitening System is a complete system that works in as little as 30 minutes. The results are consistently above average and patient discomfort is minimal or zero. The whitening kit comes complete with everything needed to isolate effectively. The dental dam material flows well into interproximal spaces and stays in place. **BEYOND TREATMENT KIT** comes in an easy to use dual-barrel syringe and does not run. The **BEYOND Polus Whitening Accelerator** has a curing light attached to the unit. The light also has three different intensity settings ranging from gentle, normal, to intense. The intense setting works well for patients with heavy or tetracycline stain.



Composi-Tight 3D Sectional Matrix System - Garrison Dental Solutions

Clinical Problem

Difficulty establishing an anatomically accurate contact with class II composite restorations.

Solution

Sectional matrix systems are ideal for establishing proper contacts with posterior composite restorations. **Composi-Tight 3D Sectional Matrix System** (Garrison Dental Solutions) is easy to use and consistently gives me tight and broad contacts. Sometimes the contact is so tight, it requires the use of a hemostat just to remove the band. This system can also be used for the placement of multiple surface restorations by "stacking" the rings. A variety of band sizes are also available to choose from based on the type and size of the restoration. This system is an absolute must for every class II restoration I do.



Futurabond DC - VOCO America

Clinical Problem

Confusion about which one-step bonding agent is compatible to use with different restoratives (light-, self- and dual-cured).

Solution

Futurabond DC (VOCO America) is a universal one-step bonding agent I can use with all my direct and indirect procedures. It is indicated for use with light-, dual- and self-cured composite and core build-ups, as well as when using dual- and self-curing resin cements for luting inlays, onlays, crowns, and bridges. The unit-dose packs are quick to activate and easy-to-use. **Futurabond DC** is strong and its low film thickness ensures proper seating of restorations. The entire bonding process is time-efficient!



THE DENTAL ADVISOR

CLINICAL PROBLEM SOLVERS

OraVerse - Septodont

Clinical Problem

Patients returning to work after dental appointments are worried about numbness affecting their speech.

Solution

There is finally a solution to the lingering effect of soft tissue anesthesia containing vasoconstrictors. After completing the dental treatment, one injection of **OraVerse** (Septodont) (phenolamine mesylate) reverses the anesthesia of the lip and tongue in approximately half of the time. Patients were pleased with the results and reported a rapid return to full feeling and functional control. I find that patients are more apt to making an appointment during the day because they feel comfortable returning back to work. It is also a valuable tool in treating children over six years of age.



THE DENTAL ADVISOR

CLINICAL PROBLEM SOLVERS

Onset - Onpharma Inc.

Clinical Problem

Patients find injections uncomfortable and clinicians find they have to wait too long for the anesthetic to take effect.

Solution

Often we have to wait 5-10 minutes after an injection to begin treatment. **Onset** (Onpharma Inc.) is a system for buffering the anesthetic immediately prior to use. The sodium bicarbonate buffer is biocompatible and brings the anesthetic to a neutral pH, making the injection more comfortable for the patient, with a quicker onset and often requiring less volume for the desired effect. Patient response has been great! We will continue to make this system a routine part of our everyday armamentarium.



ESTELITE SIGMA QUICK - Tokuyama Dental America

Clinical Problem

Finding a true universal composite that is esthetic enough to use in the anterior and strong enough to use in the posterior.

Solution

ESTELITE SIGMA QUICK (Tokuyama Dental America) provides all the key features I seek in a composite. Handling is firm and sculptable. Curing time is short. The opacity system allows me to go from simple monochromatic restorations to full-layered Class IV and direct veneer restorations. Although there are many nano-composites on the market, I feel **ESTELITE SIGMA QUICK** is the closest to a microfill in terms of long-term polish. These restorations continue to look great over time in both the posterior and anterior regions.



SUPER-SNAP - SHOFU Dental Corporation.

Clinical Problem

Too much time required to contour, finish and polish anterior composites.

Solution

Contouring anterior composite restorations needs to be both artistic and efficient. Use of rotary instruments often results in nicks and unnatural line angles. Disk systems can be time consuming with mandrels that are difficult to work with and disks that flex or break during placement. These challenges are resolved by **Super-Snap** (SHOFU Dental Corporation) polishing discs with a simple flexible cup that is easily placed and removed, providing excellent results. The innovative non-metal design eliminates the scratch often caused with using metal-based mandrel systems. With the four levels of polishing, (coarse, medium, fine, and superfine), no additional polishers are needed for an outstanding contour and final polish.



Mojo Veneer Cement - Pentron Clinical

Clinical Problem

Patients complaining that their veneers look darker over time than they did at placement.

Solution

Mojo Veneer Cement (Pentron Clinical) kit provides an easy-to-use veneer cement with all the components provided for a successful cosmetic case. With some esthetic resin cements, I have noticed cases where a shade shift occurs, compromising the esthetics of the veneers. Since I started using **Mojo Veneer Cement**, I have not had this issue. The four water-soluble try-in gels are true to color and the matching permanent cements show no shade shift with time. This cement tack cures in less than one second and is very easy to clean up. **Mojo Veneer Cement** has proven to be a stable, reliable, easy-to-use veneer cement.



Cranberry Curve Fitted Nitrile Powder Free Exam Gloves - Cranberry USA

Clinical Problem

I have experienced hand fatigue, sore fingers by end of week, and gradual loss of flexibility.

Solution

Cranberry Curve Fitted Nitrile Powder Free Exam Gloves (Cranberry USA) gloves have an excellent ergonomic fit. The contour of the gloves is the same shape as hands, which relieves existing hand fatigue. They provide great manual dexterity, and make long procedures more comfortable. They are available in 6 sizes making it feel like a custom fit!



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CLINICAL PROBLEM
SOLVERS

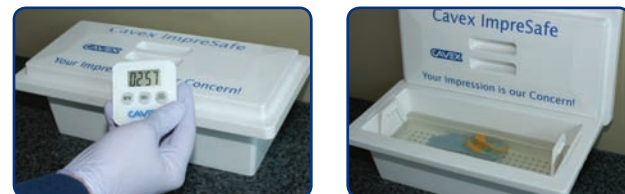
Cavex ImpreSafe - Cavex Holland BV

Clinical Problem

Too much time required to disinfect impressions before pouring or packaging.

Solution

Disinfecting impressions before pouring or packaging can take 10 to 15 minutes with caustic materials such as glutaraldehyde. With **Cavex ImpreSafe** (Cavex Holland BV), disinfection takes only three minutes and is very easy. The impression is simply immersed in the solution and the timer is set. After three minutes, rinse the impression with water and send to your laboratory or pour in your office. It is fast, effective, and non-toxic. The solution is safe for all kinds of impression materials including alginate, silicone and polyethers. Our assistants love this product!



THE DENTAL
ADVISOR

CLINICAL PROBLEM
SOLVERS

STATMATIC - SciCan

Clinical Problem

The care and maintenance of multiple brands and styles of handpieces is often time consuming and confusing.

Solution

STATMATIC (SciCan) makes handpiece maintenance easy! This unit is simple to use and can be customized to meet the coupling needs of the individual practice. It has a separate port for chuck cleaning. The cycle time is only 15 seconds per handpiece and it comes with absorbent pads to catch the excess oil. Less handpieces are sent out for repair due to consistent maintenance using the **STATMATIC**.



ACE ALL-BOND SE - BISCO, Inc.

Clinical Problem

Over-dispensing primer and bonding agent liquids from a bottle resulting in inconsistent mixes and waste.

Solution

BISCO, Inc. has developed an ultimate unique dispensing system for bonding agents. It takes the guesswork out of dispensing the correct amount of primer and bonding agent. With one click of the plunger, equal amounts of primer and bonding agent are dispensed. Additionally, when mixed properly with a microbrush, the materials react to produce a pink color. The result is less material wasted and peace of mind that the correct mix is consistently achieved.



Snap-On Smile - Den-Mat Holdings LLC

Clinical Problem

Patients who do not like their smile and cannot afford cosmetic veneers and crowns.

Solution

Snap-On Smile (Den-Mat Holdings LLC) is an affordable, non-invasive, reversible cosmetic solution for patients who want a beautiful smile but simply cannot afford treatment at that time. Most of my patients are quite happy with the esthetics and walk away feeling great about their new smile. It is also a wonderful treatment option for patients that are on the fence about getting permanent cosmetic restorations. Many times after they see the results of their **Snap-On Smile**, they are more inclined to proceed with a permanent cosmetic solution.



Clinical Problem

Squirmy, pediatric patients make it difficult to have ideal conditions for traditional bonding steps, resulting in de-bonding of composite restorations.

Solution

When working on pediatric patients, it can be hard to keep the working field isolated throughout the procedure. This is especially true when using traditional composites that require different steps for bonding the restorations. For this reason, we use **Vertise Flow** for all sealants, preventative resins, class I, and small class II restorations. **Vertise Flow** is a fluoride-releasing, self-adhesive flowable composite that requires only one step for the final restoration. The strength of the bond, esthetics, and time-saving features make this product a must for anyone who has pediatric patients in their practice.

**PRODUCT UPDATE****E-STATIS Advantage**

The **E-STATIS Advantage** is an advancement of the original **E-STATIS Electric Handpiece System**. The **E-STATIS Advantage** comes equipped with a new motor, the **E-STATIS SLM** (Short, LED, Micromotor) that is 35% shorter and lighter. The short motor decreases the overall length and weight of the handpiece, while maintaining the standard shank length that accepts universal E-Style attachments. The motor provides 100-40,000 rpm with the 1:1 attachment, and up to 200,000 rpm with the 1:5 attachment. The system can be mounted either internally or externally on the dental unit and offers a removable LCD touch screen which can be integrated into any location. The unit comes programmed with three standard operative modes and five endodontic settings. All programs are fully customizable. Program options include auto-stop, auto-reverse, auto-forward, auto-reverse forward, speed, torque, and light output. The system includes the **E-STATIS SLM** motor, electric control box, touch screen, and operator's manual.

**SecureFit Face Masks**

+++++

Crosstex

888.276.7783 - 631.582.6777

www.crosstex.com

Description

SecureFit® Face Masks are a patent pending fluid-resistant, ear loop, disposable, single-use face masks. These face masks have an enclosed aluminum strip both above the nose and under the chin. The wearer pinches the strips to create a custom fit with a tight seal at the top, sides and bottom of the mask. **SecureFit Masks** conform to any size or shape face and are available in all three ASTM performance classifications.

- *Isofluid* - low barrier (PFE = 98.5%@0.5 micron),
- *Procedural* - moderate barrier (PFE = 99.6%@0.1 micron)
- *Ultra* - high barrier (PFE = 99.7%@0.1 micron).

Each type has a fluid resistant outer layer; a white inner layer and aluminum nose and chin pieces, as well as, earloops that are ultrasonically welded to the outside of the mask to reduce irritation. All three types are sold in 50-count boxes. SecureFit Masks were evaluated by 37 consultants, in 1,830 uses, and received a 96% clinical rating.

Suggested Retail Cost

- \$13.95/50-count box of Isofluid masks
- \$14.95/50-count box of Procedural masks
- \$18.95/50-count box of Ultra masks

Product Features

The fit of **SecureFit Mask** was excellent. Consultants appreciated being able to snug it under the chin with the shorter aluminum strip. The longer (5 inch) aluminum strip adapts well to the bridge of the nose, providing a strong seal which reduced fogging of eyewear. The *Isofluid* and *Procedural* masks allow easy breathing; however, due to the higher filter media design in the *Ultra* mask, the breathability was somewhat reduced. All of the masks have an inner layer that is soft to the skin with comfortable earloops. Seventy-three percent of consultants reported that **SecureFit Face Masks** were better than their current face masks and 16% reported that they were equivalent. Seventy-six percent would switch to **SecureFit Face Masks** and 89% would recommend them.

**Consultants' Comments**

- ♦ "Masks have a good fit and are secure and comfortable."
- ♦ "I like the top and bottom strips for better adaptation/comfort."
- ♦ "Easy to breath - does not fog up glasses."
- ♦ "I like the availability of three barrier levels."
- ♦ "Loved it - the best earloop mask I have ever tried."
- ♦ "Some of the masks had an unpleasant odor."
- ♦ "Ultra masks affect my breathing slightly; however, I find them much more breathable than other high barrier masks."

Clinical Tips

- Use *Isofluid* masks for exams and cases with little fluid or spray.
- Use *Procedural* masks for most dental procedures where light to moderate aerosol is anticipated.
- Use *Ultra* masks for long procedures or those producing moderate to heavy amounts of fluid. ■

3M ESPE Protemp™ Plus Temporization Material 1-year Clinical Performance
+ + + + +

3M ESPE
800.634.2249
www.3mespe.com

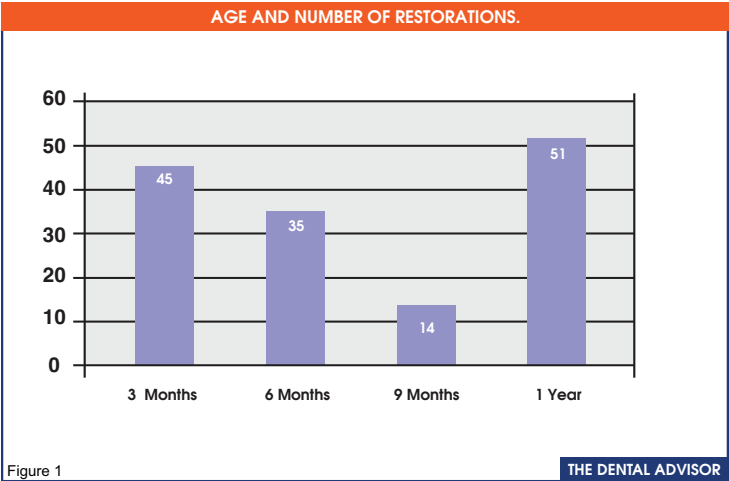
Description

3M ESPE Protemp Plus Temporization Material is a two-component composite with a new generation of fillers for fabrication of interim restorations. It is indicated for temporization of single- and multiple-unit crowns, bridges, implants, inlays/onlays, and veneers, including long-term provisional restorations. It is packaged in 50-mL automix cartridges and is available in five fluorescent shades: A1, A2, A3, B3 and Bleach.

Clinical Evaluation Protocol

Eight consultants placed a total of 145 units in 95 patients and recalled them at 6 weeks, 3 months, 6 months, 9 months, and one year. Of the 145 units, 108 were single units and 37 multiple units. The multiple units included 10 bridges (three-, four- and eight-unit spans). The single units included crowns, implant crowns and a few inlays and onlays.

Figure 1 shows the number of restorations and the times these restorations remained in function in the mouth.



Forty-five of the restorations were in the mouth for three months only. The reason some restorations were not in function for a year was often the result of patient request, insurance coverage considerations, or dentist discretion. In a few cases the tooth was scheduled for extraction and the Protemp Plus crown served well during this interim period.

At the one-year recall, 51 restorations out of 145 were still in function. Other patients had dropped out of the evaluation before recall due to reasons not related to the restoration. In fact at the completion of the recall, 19 restorations or about 12% still remain cemented in the mouth because patients requested to keep them for now.



Consultants' Comments

- ◆ "This has been a wonderful compromise for both patient and doctor. The patient gets to keep their tooth and I get to give him an inexpensive crown that will last."
- ◆ "Emergency visit for a broken bridge in the esthetic zone. Nice results considering patient cannot afford other treatments at this time."
- ◆ "Protemp Plus provided excellent marginal adaptation."
- ◆ "Several patients totally forgot they had a temporary."
- ◆ "Just leave the temporary – patient happy."
- ◆ "Protemp Plus was excellent during implant placement and healing period."
- ◆ "I used a flowable composite veneer to enhance anterior esthetics."
- ◆ "Best material that I have seen for long-term temporization with great results."

Patients' Comments

- ◆ "Wow, beautiful."
- ◆ "Pleased with immediate results."
- ◆ "Feels good."
- ◆ "Temporary restoration still feels fine – no problems."
- ◆ "Doing great – just leave it in."
- ◆ "It is a shame you have to replace it."
- ◆ "I like this bridge much better than my old one and my gums are much better and it looks and feels better." (These are comments regarding an eight-unit bridge.)
- ◆ "Loved it."
- ◆ "I like it better than my own teeth."

Clinical Observations

At one year, 51 remaining restorations were recalled. The recall results are summarized on a scale of 1 to 5 as shown in Figure 2. Each category was rated on a scale of 1-5: 1=poor, 2=fair, 3=good, 4=very good, 5=excellent.



Moist SURE™ Lotion + + + + 1/2

Sultan Healthcare
800.637.8582 - 201.871.1232
www.sultanhealthcare.com

Description

Moist SURE™ Lotion is a hypoallergenic hand lotion that is designed to provide moisture to the hands through several hand washings. Moist SURE™ Lotion contains no mineral oil or petrolatum oil, which can be incompatible with latex gloves. Only a small amount of Moist SURE™ Lotion is needed and should be massaged completely into skin until absorbed. It is available in 15 oz pump bottles. Moist SURE™ Lotion in the pump bottle was evaluated by 55 consultants in 1928 uses. It received a 91% rating.

Suggested Retail Cost
• \$11.52 15oz Pump Bottle

Product Features

Moist SURE™ Lotion is convenient to dispense from the pump, and it applies smoothly to the hands. Many consultants also used one of the Moist SURE™ hand soaps and observed that the lotion and soap bottles should be more distinctive; they look very similar and the products can be accidentally switched. Moist SURE™ Lotion leaves the skin feeling moisturized without causing irritation, even in those with sensitive skin. Because the lotion

Consultants' Comments

- ◆ "Rubs in quickly - hands feel very soft, no issues with dermatitis."
- ◆ "Nice scent."
- ◆ "Compatible with gloves and other hand hygiene products used."

is of thin consistency rather than a heavy cream, it dries quickly and does not impede donning of gloves. The light floral scent was attractive to some users, while others preferred an unscented lotion. Eighty-seven percent of consultants reported that Moist SURE™ Lotion made their hands feel softer but many reported that the moisturizing effect did not last as long as expected. Fifty-six percent of consultants reported that Moist SURE™ Lotion was better than their current lotion and 24% reported that it was equivalent. Seventy-four percent would switch to Moist SURE™ Lotion and 80% would recommend it.

Clinical Tip

- Apply a small amount after each hand washing. ■

3M ESPE Protemp™ Plus Temporization Material 1-year Clinical Performance
+ + + + +

Gingival Health

In at least two bridge cases, one four-unit and one eight-unit bridge, the tissues were very inflamed with the original PFM bridge. Upon removal of permanent bridge and placement of temporary bridge, the gingival health improved so much that the patient requested to keep their Protemp Plus bridge.

Resistance to Fracture

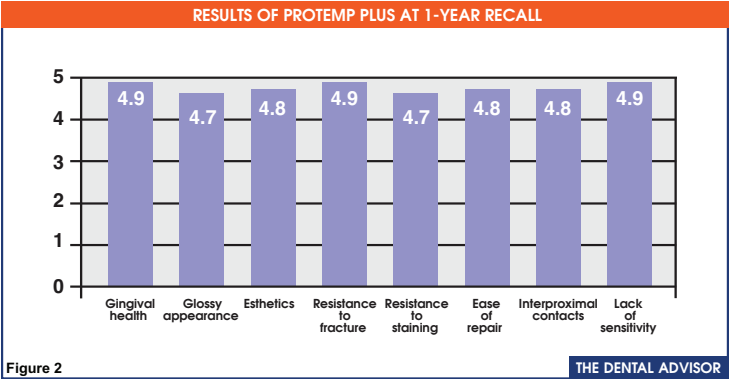
Fractures that occurred were observed in the first three weeks. After that time, the restorations performed well.

Resistance to staining

Some staining was observed in smokers and heavy coffee drinkers, but the stains were easily cleaned and polished at recall.

Ease of Repair

Few restorations required repair, but in general repair was easily accomplished with flowable composites when necessary.



Summary

3M ESPE Protemp Plus Temporization Material was evaluated as a long-term temporary material over a period of one year. It received very good to excellent ratings for all categories evaluated. This product received a 96% clinical rating.

Editors' Note: An additional A3.5 shade is now available.

Cavex Holland BV
+31 (0)23 530 77 00
www.cavex.nl

Request a Sample:
Visit www.dentaladvisor.com to request
a sample or more information!



Description

Cavex Bite & White is a professional, take-home tooth whitening gel with 16% carbamide peroxide for use in lightening the color of natural teeth. The formulation contains 0.1% sodium fluoride and 0.2% potassium nitrate desensitizers. The gel is designed to provide the best results if it is used at least one hour a day for approximately 10 consecutive days. **Cavex Bite & White** is available in a box with five patient kits and also as a refill with one 3 mL syringe and instructions. The patient kit contains two, 3 mL syringes of 16% carbamide mint-flavored whitening gel; tray case; shade guide; tray material; and instructions. Shelf life is three years if stored under refrigeration when not in use. **Cavex Bite & White** was evaluated by seven consultants and 20 patients. This whitening system received an 82% clinical rating.

Product Features

The **Cavex Bite & White kit** provides enough material for 10 days of whitening the upper and lower arches. The patient kit is a basic cardboard box containing the gel-filled syringes and tray case. The packaging is not very durable for travel or long-term storage. Patients liked the short, one-hour treatment time of **Cavex Bite & White**. No bad taste or odor was reported. Half of the patients experienced tooth sensitivity, and 75% experienced gingival irritation. Most patients (19 out of 20) indicated that **Cavex Bite & White** whitened their teeth. Of patients who had previously whitened, 85% rated **Cavex Bite & White** as the same or better than their previous product, while 29% of consultants found it to be the same or better than other take-home whitening kits. Fourteen percent of consultants would switch to **Cavex Bite & White** and 43% would recommend it.



Consultants' Comments

- ♦ "I like the instruction pictures on the inside over of the box."
- ♦ "Seemed to work well for the patient. No bad taste or odor."
- ♦ "Only need to use product for 10 days."
- ♦ "Tray material did not adapt tightly."
- ♦ "Some patients reported sensitivity."
- ♦ "Make it whiten better."
- ♦ "Provide written instructions for patients for loading the tray."

Clinical Tips

- Have the patient use a sensitivity relief toothpaste starting two weeks before the treatment procedure until two weeks after the treatment.
- Refrigeration is required for long-term storage. ■

DENTSPLY Caulk
800.532.2855
www.caulk.com

Description

TPH3 Micro Matrix Restorative is a visible light-activated, radiopaque resin composite. It is indicated as a direct restorative for all cavity classes in anterior and posterior teeth, as a direct esthetic veneering restorative material, for cosmetic reshaping, and for the indirect fabrication of inlays and onlays. It is packaged in pre-dosed compules and 3 g Easy Twist syringes in 13 Vita shades, nine custom body shades, one opaque characterization shade, and three enamel shades for a total of 26 shades.. The complete kit contains: Compule complete organizer system; 96 compules - 0.25 g each; six each of shades LYG, A1, A2, A3, A3.5; four each of shades LB, DB, L, LG, B1, B2, C2, C3; three each of shade: A4, B3, C1, C4, D3, XL, CE, YE; two each of shades BW, DY, XGB, B1-I, C2-O; TPH3 Shade Guide (26 tabs); Compule Gun; 10 *Prime & Bond NT* adhesive unit doses; one syringe of *Caulk 34% Tooth Conditioner Gel* - 3 ml; *Enhance Finishing System*: 10 discs, 5 cups, 5 points; one syringe of *Prisma Gloss Composite Polishing Paste, Fine* - 4 g; one syringe of *Prisma Gloss Composite Polishing Paste, Extra Fine* - 4 g; 25 *Enhance Foam Polishing Cups*; one syringe of **TPH3 flow** (A2) - 1.3 g; accessories; product literature; manufacturer instructions; and MSDS. **TPH3** was evaluated by 23 consultants in 654 uses. It received a 91% clinical rating.

Suggested Retail Cost

- "Print on the compules is small and difficult to read."

Product Features

The **TPH3 kit** is complete with everything needed to place and polish restorations. There were many positive comments about shade matching and blending characteristics. Most consultants reported that **TPH3** has a very creamy consistency that is somewhat sticky and not very packable. Because of the handling properties, consultants preferred this composite for anterior and small posterior restorations. **TPH3** polishes to a very smooth, glossy surface, ideal for esthetic restorations. Thirty-five percent of consultants reported that **TPH3** was better than their current composite and 39% reported that it was equivalent. Fifty-six percent would switch to **TPH3** and 78% would recommend it.

Consultants' Comments

- ♦ "Great packaging! It is so nice to have the whole system in one easily accessible container. My assistant loved the bonding agent holder - it is simple and quick to use."
- ♦ "Shade matching and finishing were very good - excellent blending with adjacent tooth structure."
- ♦ "The composite tends to stick to instruments."
- ♦ "Print on the compules is small and difficult to read."

Clinical Tips

- Cure a test patch of composite on tooth without bonding agent to confirm the shade.#
- Contours better with the moist bonding agent brush rather than an instrument. ■

3M ESPE RelyX Fiber Post & RelyX Unicem 2 Automix Self-Adhesive Resin Cement – Starter Kit + + + + +

3M ESPE
800.634.2249
www.3mespe.com

Description

The **3M ESPE RelyX Fiber Post & RelyX Unicem 2 Automix Self-Adhesive Resin Cement – Starter Kit** is designed to provide the dental professional with a convenient and reliable system for cementation of fiber posts. The starter kit consists of **3M ESPE RelyX Unicem 2 Automix Self-Adhesive Resin Cement**, which is a dual-cured, self-adhesive resin cement available in an automix syringe, and **3M ESPE RelyX Fiber Posts**, which are translucent glass-fiber posts that are radiopaque, composite reinforced and color-coded. The posts are available in four diameters: size 0 (1.1 mm), size 1 (1.3 mm), size 2 (1.6 mm), and size 3 (1.9 mm). **3M ESPE RelyX Fiber Posts** do not require any pre-treatment when used with **3M ESPE RelyX Unicem 2 Automix Self-Adhesive Resin Cement**. Long, narrow endo tips fit onto the wide mixing tip for cementation and facilitate access to the root canal so cement can be applied in the canal from bottom up, lowering the risk of entrapping air bubbles and voids. The starter kit contains an 8.5 g syringe of **3M ESPE RelyX Unicem 2 Automix Self-Adhesive Resin Cement** (shade A2 universal); 7 mixing tips (regular); 15 mixing tips (wide); 15 endo tips; 5 intra-oral tips; 5 each of **3M ESPE RelyX Fiber Posts** in sizes 0, 1, 2, and 3; 5 drills in sizes Universal, 0, 1, 2 and 3; and manufacturer's instructions/laminated instruction cards. **3M ESPE RelyX Fiber Post & RelyX Unicem 2 Automix Cement – Starter Kit** was evaluated by 36 consultants in 413 uses. It received a 96% clinical rating.

Suggested Retail Cost

- \$341.40/starter kit

Product Features

The **3M ESPE RelyX Fiber Post & RelyX Unicem 2 Automix Self-Adhesive Resin Cement – Starter Kit** is well organized and easy to use, containing everything needed for post placement. Separate bonding agents and etchants are not required with this cement system. The endo tip allows for direct delivery into the root canal. The drills and posts are well matched according to size and result in an intimate fit of the tapered posts in the canals. Having a rubber stopper supplied on each post increases the convenience of making length measurements. Sixty-four percent of consultants reported that **3M ESPE RelyX Fiber Post & RelyX Unicem 2 Automix Cement – Starter Kit** saved time as compared to their current post cementation procedure. Sixty-one percent of consultants reported that **3M ESPE RelyX Fiber Post & RelyX Unicem 2 Automix Cement – Starter Kit** was better than their current esthetic fiber post system and 33% reported that it was



Consultants' Comments

- ◆ *"The kit is simple and complete."*
- ◆ *"I love the narrow delivery tips and color-coded rubber stoppers on the posts. The drills cut efficiently."*
- ◆ *"Nice selection of post sizes – good match between drill and post sizes."*
- ◆ *"No bonding agent or etchant required!"*
- ◆ *"I prefer to place the post and core in one step."*
- ◆ *"Individual foil packaging of posts in the kit is excessive."*
- ◆ *"The only things that would make these posts better would be some mechanical retention grooves for the core and a color change feature."*

equivalent. Eighty-three percent would switch to **3M ESPE RelyX Fiber Post & RelyX Unicem 2 Automix Cement – Starter Kit** and 97% would recommend it.

Clinical Tips

- Seat post quickly after placing cement in the canal to reduce the chance of incomplete seating.
- Light cure the cement to tack the post in place; then allow sufficient time for the cement to set fully before placing the core. The cement can be light cured through the post with a 40 second exposure from the occlusal. ■

COMPLETE + + + ½

Cosmedent, Inc.
800-621-6729
www.cosmedent.com

Description

COMPLETE is a universal adhesive system designed for all bonding techniques. The system includes three color-coded bottles: a primer/resin, a dual-cured catalyst and an unfilled resin. **COMPLETE** is indicated for bonding of direct light- or dual-cured composite restorations and cores, cementation of porcelain crowns and veneers, and repairs to porcelain, resin, and porcelain-fused-to-metal repairs. By adding the dual-cured catalyst to the primer/unfilled resin a dual-bonding primer and adhesive is created and used primarily for indirect procedures such as cementation of inlays, onlays and porcelain veneers. The unfilled resin is used for composite repairs. A complete instruction booklet describes procedures for the various indications. The kit contains a 5-ml bottle of *Primer/Unfilled Resin* (red cap), 5-ml bottle of *Dual-cure Catalyst* (black cap), 5-ml bottle of *Unfilled Resin* (blue cap), two brush applicators, and manufacturer's instructions/MSDS. **COMPLETE** was evaluated by 25 consultants in 558 uses. It received an 83% clinical rating.

Suggested Retail Cost

- \$128.95 /Complete System

Product Features

COMPLETE was rated good for ease of use with light-cured composites. The bonding procedure is lengthier than that of similar products: etch, rinse, dry, apply 2 coats, air thin, apply an additional coat, air thin, and light cure for 20 seconds. When using

Consultants' Comments

- ◆ *"Easy to use for a direct composite."*
- ◆ *"Post-operative sensitivity is low."*
- ◆ *"The versatility is excellent; it allows me to cover all bonding procedures that I handle in my office in one kit."*
- ◆ *"Primer/resin is very thin, drips too quickly– drop sizes are inconsistent."*
- ◆ *"Confusing instructions and time-consuming to use."*
- ◆ *"Improve the dispensing system."*

the dual-cured activator, assistants noted that the drop sizes were consistent, although the 2:1 ratio of drops did not follow the more common 1:1 mixing with which they were familiar. Generally, the bottle caps are hard to open and a sticky residue builds up on the dropper portion of the bottles. Consultants commented on its lack of postoperative sensitivity. The instructions are complete for all clinical cases but should be simplified into laminated cards for chair-side reference. Twenty-four percent of consultants reported that **COMPLETE** was better than their current bonding agent and 40% reported that it was equivalent. Forty percent would switch to **COMPLETE** and 56% would recommend it.

Clinical Tip

- Be sure the tooth surface is dry after etching and rinsing. ■

Introducing THE DENTAL ASSISTANT corner!

Adding to our **"Corners of Information"** is the **Assistant Advisor**, a place specifically for the Dental Assistant professional. Jennifer Ireland, C.D.A., R.D.A, of THE DENTAL ADVISOR Editorial Board will provide an overview of our monthly main topic from the assistant's perspective. The area will also highlight review of products to assist the assistant, answers to questions, and an opportunity for assistants to make suggestions and submit questions. Be sure to let your assistants know of the valuable information available at THE DENTAL ADVISOR Online, the **Assistant Advisor** corner is under Clinical Evaluations (<http://www.dentaladvisor.com/clinical-evaluations/assistant-advisor.shtml>)



Ask the Assistant

ZONE Temporary Cement + + + + ½

DUX Dental

800.833.8267 - 805.488.1122

www.duxdental.com

Description

ZONE Temporary Cement is a zinc oxide, non-eugenol temporary cement available in a dual-barrel automix syringe. **ZONE Temporary Cement** does not contain triclosan. It is available in a universal shade and an esthetic shade (A1) for anteriors. **ZONE Temporary Cement** exhibits a two-stage set - initial elastic set to allow bulk clean-up and a hard, final set. It is compatible with all provisional materials and will not soften, craze or discolor acrylic or polycarbonate crowns. According to the manufacturer, **ZONE Temporary Cement** is kind to the pulp and tissue and will not decalcify dentin. **ZONE Temporary Cement** has a 30-second mixing time and a 2-minute working time. Each 4 g, dual-barrel, automix syringes comes with eight mixing tips. **ZONE Temporary Cement** was evaluated by 25 consultants in 676 uses. It received a 91% rating.

Suggested Retail Cost

- \$38.65

Product Features

ZONE Temporary Cement is neat and easy to use – cement can be applied directly into the restoration from the mixing tip. Clean-up of excess cement is easy in either the elastic or hard set phase. Many consultants commented positively on the appearance of the A1 shade under provisional restorations in the esthetic zone. Some consultants thought the setting time was slow, and many reported that the mixing tips wasted too much material. Fifty-six percent of consultants reported that **ZONE Temporary Cement**



Consultants' Comments

- ◆ "Easy to dispense, use and clean up."
- ◆ "I liked the A1 shade for esthetic cases."
- ◆ "The cement shade blended well with the provisional restoration."
- ◆ "Mixing tips are too long - waste too much material."
- ◆ "Setting time could be quicker."

was better than their current temporary cement and 36% reported that it was equivalent. Eighty-four percent would switch to **ZONE Temporary Cement** and 92% would recommend it.

Clinical Tips

- Maintain a dry field during cementation.
- Use a slight amount of petroleum gel around the restoration so the temporary cement will be easier to remove.
- Use a slight amount of petroleum gel around the restoration so the temporary cement will be easier to remove. ■

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