BEAUTIFIL Flow Plus: dentistry simplified

Shofu has a revolutionary product on the market that is already making restorative dentistry a whole lot easier. BEAUTIFIL Flow Plus is an all-in-one final restorative, base and liner with mechanical properties that rival leading hybrids in compressive strength, wear and flexural strength. This syringe-delivered injectable hybrid stands apart from other flowables with its unprecedented approval for all indications and a radiopacity greater than enamel.

Moreover, it has remarkable handling properties that are unlike any other flowable you have tried before, allowing precision stacking and sculpting capabilities with no slump. Additionally, Shofu’s proprietary “surface pre-reacted glass” (S-PRG) filler material provides sustained fluoride release and recharge that can otherwise only be found in the far less esthetic glass ionomer materials. All of these features combined put BEAUTIFIL Flow Plus in a class of its own.

All-in-one base, liner and restorative

Traditional methods of filling and packing hybrids are time consuming and present technique-sensitive issues that may result in postoperative sensitivity and/or failures. Especially in a Class V situation where packing composite materials is a constant battle to get the material to stick to the tooth structure and not to your instruments. With BEAUTIFIL Flow Plus, the material is syringe delivered where needed, including the occlusal and proximal margins. For example, using a syringe delivery in a Class V prep completely eliminates this push/pull effect because once extruded, it self-levels, adapts to the tooth structure and stays put until light cured.

Effortless adaptation and polishability

The flowable consistency of BEAUTIFIL Flow Plus provides effortless adaptation to tooth structure when compared with hybrids. Because the material is flowed into the preparation rather than being packed in like hybrids, dentists can achieve a tight marginal seal with minimal or no instrumentation. This helps reduce the occurrence of voids inherent in traditional hybrid packing techniques. Furthermore, the material effortlessly achieves a smooth, ready to polish finish. Dr. Howard Glazer of Fort Lee, N.J., spoke at the 2010 Greater New York Dental Meeting where he explained, “BEAUTIFIL Flow Plus, once applied and photocured, is 95 percent polished.”

Physical properties

BEAUTIFIL Flow Plus was specifically designed to stand up to the rigors of the occlusal surface and marginal ridge. High filler content and unique chemical properties ensure that clinicians have all of the material strength found in leading hybrids. In fact, critical physical properties such as compressive strength, flexural strength, toothbrush wear and other criteria are clinically equivalent or superior to leading hybrids on the market. Using this new approach, dentists can now achieve better adaptation, with a stronger material, in fewer and less complicated steps.

It stays put

One of the many distinguishing features of BEAUTIFIL Flow Plus is that it stays where it’s put. Other flowables tend to run and spill out of the prep. BEAUTIFIL Flow Plus provides precision stacking capabilities with no slump. This is particularly important when working at awkward angles or with fidgety patients. Available in two distinct viscosities, F00 Zero Flow (0 mm of flow held vertically for 1 minute) and F03 Low Flow (3 mm of flow held vertically for 1 minute) that add to dentists’ treatment options. F00 is ideal for stacking, especially in the marginal ridge. F03 offers a superior base or liner consistency. That said, the physical properties for both viscosities are identical so they can be used interchangeably.

Fluoride release and recharge without sacrificing esthetics

One of the main problems with other materials (such as glass ionomers) that recharge fluoride is that they absorb water once placed in the mouth. This causes the glass filler to swell, and the esthetics of the material to break down. Shofu’s proprietary
GIOMER technology utilizes “surface pre-reacted glass” (S-PRG) filler, which has a surface-modified layer protecting the durability and esthetics of the glass from water, while still allowing beneficial ions to travel freely between the glass core and the oral environment.

Many other restoratives release fluoride initially but quickly deplete this charge within a matter of days or weeks. With S-PRG technology, everyday activities such as tooth brushing or rinsing with fluoridated products actually recharge the material’s glass core, carrying sustained preventative benefits to adjacent tooth structure over the life of the restoration.

Clinical evidence

Numerous independent clinical studies have documented the biomimetic properties of S-PRG fillers that help to protect and preserve surrounding tooth structure. One such study conducted on the hybrid material BEAUTIFIL II (the FDA predicated product of BEAUTIFIL Flow Plus) highlighted these results.

As published in JADA, the University of Florida found that restorations containing S-PRG filler showed no secondary caries, no failures, no post-operative sensitivity and the material maintained its luster at the 8-year recall. A 13-year recall is currently in progress.

Dentistry simplified

Using state-of-the-art dental materials such as Shofu’s injectable hybrid, BEAUTIFIL Flow Plus, provides patients with highly esthetic results that are also efficient and dependable with enduring biomimetic benefits. Dentists no longer have to settle for highly filled hybrid composites that present adaptation challenges or watered-down flowable restoratives that adapt well but are weak, messy and spill out of the prep.

In BEAUTIFIL Flow Plus, you have a single, syringe-delivered restorative that is as strong as hybrid composites, adapts well, handles beautifully, is highly esthetic and has clinically proven healing properties. At the end of the day, what more could any dentist want in a restorative?

A name you trust: Shofu BIO

Since 1922, Shofu Inc. has been a leading manufacturer of highly acclaimed dental and laboratory supplies used by dentists, hygienists and laboratory professionals around the world. Shofu Dental Corp., located in San Marcos, Calif., was founded in 1971 to provide direct support for North and South American markets.

Capitalizing on the company’s extensive knowledge of polishing technology, Shofu is striving to provide minimally invasive cosmetic solutions to meet the needs of patients while also delivering innovative products that exceed the demands of today’s discriminating dentist.