BeautiSealant
Fluoride Releasing Pit & Fissure Sealant System

SHOFU

Giomer

PRC Technology
BeautiSealant

For decades, dentists and hygienists have had no alternative but to use phosphoric acid etching as a necessary evil to improve the bondability of dental sealants. In doing so, they have not only lost countless hours to these laborious steps, but also have inevitably destroyed otherwise healthy tooth structure with the damaging effects of harsh acids.

Driven by modern concepts of Minimally Invasive and Cosmetic Dentistry, and recent developments in adhesives technology, Shofu has created a faster, easier, and gentler sealant system that eliminates the need for phosphoric acid etch and rinse steps entirely, while still maintaining equal or better shear bond strengths.

- High shear bond strength without phosphoric acid etch or rinse required
- Ideal handling and viscosity; eliminate voids with bubble-free consistency
- Radiopacity equal to dentin; 0.92 AI:mm
- Unique cariostatic properties of S-PRG fillers
- 30 second application; Four easy steps
- BPA- and HEMA-free

Gentle on Enamel

BeautiSealant is BPA- and HEMA-free with dual adhesive monomers that thoroughly penetrate and prepare pits and fissures for bonding to the sealant. Unlike traditional sealants which require phosphoric acid etching, demineralizing and dehydrating healthy teeth, Shofu’s self-etching primer is significantly less acidic helping to preserve healthy tooth structure.

BeautiSealant is an easy to apply sealant optimized for smooth, bubble-free consistency. Achieve precise delivery of up to 100 teeth sealed with our 1.2 gram syringe made possible by our specially designed no-ooze/no-waste syringe, and a fine gauge needle tip.

SEM photos of deep penetration into fissures

Dr. Satoshi Fukumoto, Tohoku University, Japan

1. Apply Primer to clean tooth and leave for 5 seconds.
2. Gently air dry for 5 seconds.
3. Apply Sealant.
No Acid Etch – A Difference You Can See

![Healthy Enamel](image1)

![BeautiSealant Primed Enamel](image2)

![Phosphoric Acid-Etched Enamel](image3)

What’s a Giomer?

Giomer refers to any product containing Shofu's proprietary Surface Pre-Reacted Glass, or S-PRG filler particles. S-PRG filler uniquely releases 6 ions: Fluoride, Sodium, Strontium, Aluminum, Silicate, Borate, all with known bioactive properties. Unlike glass ionomers and composites which require water absorption following photocure to release fluoride, Giomer’s contain a multifunctional glass core that undergoes an acid-base reaction during manufacturing and is subsequently protected by a surface modified layer. This trilaminar structure forms a type of stable glass ionomer which allows ion release and recharge to take place, while protecting the glass core from the damaging effects of moisture, greatly improving long-term durability. With its unique Giomer chemistry, BeautiSealant is therefore able to recharge its fluoride ions from household dental hygiene products such as toothpaste, providing sustained benefits to adjacent tooth structure over the life of the sealant.

Despite the lack of phosphoric acid etching and a HEMA-free composition, shear bond strengths remain at levels that meet or exceed market leading sealants at 19.5MPa.

Learn more, watch the acid neutralization video.

Key Features of Giomer Materials

- S-PRG filler material has been clinically shown to:
  - Recharge fluoride when treated with fluoridated products
  - Decrease acid production of cariogenic bacteria
  - Neutralize acid on contact
  - Demonstrate an anti-plaque effect

Four: Light cure with a halogen (20 seconds) or LED (10 seconds) curing light.
**BeautiSealant**
Fluoride Releasing Pit & Fissure Sealant System

www.shofu.com 1-800-827-4638

**Order Information**
- **BeautiSealant System** (Item No. 1796)
  - BeautiSealant Paste 1.2g, BeautiSealant Primer 3mL, 15 Needle Tips, 50 Microbrush Fine (pink), 25 V-Dish, Directions for Use
- **BeautiSealant Paste** 1.2g (Item No. 1796)
- **BeautiSealant Primer** 3mL (Item No. 1800)
- **BeautiSealant Needle Tips** 50 (Item No. 1794)

**PRG Barrier Coat** (Item No. 1786)
- 8 Base Units 0.02ml each, 1 Active 0.09ml, 8 brushes

**BEAUTIFIL® Flow Plus F00**
(Zero Flow) weight: 2.2grams

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**BEAUTIFIL® Flow Plus F03**
(Low Flow) weight: 2.2grams

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**Now in Tips!**

**USA**
Shofu Dental Corporation
1225 Stone Drive
San Marcos, CA 92078-4059, USA

**JAPAN**
Shofu Inc.
11 Kamitakamatsu-cho
Fukuine, Higashiyama-ku
Kyoto 605-0883, Japan

**SINGAPORE**
Shofu Inc. Singapore Branch
10 Science Park Road #03-12
The Alpha, Science Park II
Singapore 117684

**U.K.**
SHOFU UK Riverside House,
River Lawn Road,
Tonbridge,
Kent, TN9 1EP, UK

**CHINA**
Shofu Dental Supplies (Shanghai) Co. Ltd.
No.645 Jiye Road
Seshan Industry Park
Songjiang 201602,
Shanghai, China

**GERMANY**
EU Representative:
Shofu Dental GmbH
Am Brühl 17
40878 Ratingen, Germany