



THE DENTAL ADVISOR
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RATINGS:

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

Excellent

Clinical Evaluations:

VOCO

THE DENTALISTS

+ + + + +

Since 1984, THE DENTAL ADVISOR has provided dental professionals worldwide with concise, accurate, and objective information using in-vivo and in-vitro results on the performance of products and equipment based on clinical and laboratory research.

A Clinical Evaluation is a concise, objective, accurate, evidence-based article on how a dental product or piece of equipment performs in a general dentistry practice.



GrandioSO



GrandioSO Heavy Flow



Futurabond DC



Rebuilda Post System



Dimanto



Ufi Gel SC

EXCELLENT 5-PLUS RATING & EDITORS' CHOICE

GrandioSO + + + + +

VOCO | (888) 658-2584, www.vocoamerica.com

Description

GrandioSO is a light-curing, radiopaque nano-hybrid composite. It is indicated for Class I-V restorations, cosmetic restorations, splinting of loose teeth, repairing veneers, restoration of primary teeth, core build-ups, and composite inlays. **GrandioSO** is available in shades A1, A2, A3, VC A3.25, A3.5, A4, VC A5, B1, B2, B3, C2, D3 OA1, OA2, OA3.5, and Bleach (BL) in syringes and single dose capsules. The composite is compatible with all light-cured bonding agents. Curing times vary with shade selection. The kit evaluated contains 80, 0.25 g caps, 16 each in shades A1, A2, A3, A3.5 and B1; shade guide; product literature; manufacturer instructions; and MSDS. **GrandioSO** was evaluated by 31 consultants in 1054 uses. It received a 96% clinical rating.

Product Features

GrandioSO composite is easy to dispense and place. It has a viscosity that is heavy enough to be packable and is suitable for both anterior and posterior restorations. Shade matching and final esthetics are very good. The opacity of the cured composite is beneficial for masking stained dentin, yet blends well with the surrounding enamel. Shade A3.25 was useful for the cases in which a patient's shade was between A3 and A3.5. The quality of the final polish was rated excellent. Fifty-five percent of consultants reported that **GrandioSO** was better than their current universal resin composite and 35% reported that it was equivalent. Eighty-one percent would switch to **GrandioSO** and 90% would recommend it.



Consultants' Comments

- "Easy to dispense and place."
- "Good radiopacity."
- "The material has an excellent, non-sticky consistency."
- "Heavy viscosity packs and sculpts well."
- "Good shade match and final esthetics."
- "I prefer a more translucent body shade."
- "The unit-dose capsule has a wide tip."
- "Make the packaging sturdier."

GrandioSO Heavy Flow + + + + +

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Description

GrandioSO Heavy Flow is a radiopaque, light-cured, flowable composite that is characterized by its high viscosity and high filler content. It is a universal composite designed to be used in place of a conventional flowable when a higher viscosity is needed. Indications include filling all classes of cavities plus extended fissure sealing; filling V-shaped defects and cervical abrasions; blocking out undercuts; cavity lining and tooth splinting. It is available in new NDT® (Non-dripping Technology) 2-g syringes and 0.25-g caps in 12 shades: A1, A2, A3, A3.5, A4, A5, B1, B2, C2, OA2, BL, and WO. **GrandioSO Heavy Flow** can be used with all light-curing bonding agents and light cures at 20 to 40 seconds, depending upon the shade used. The introductory syringe kit contains one syringe each in shades A1, A2, A3, A3.5 and WO; shade guide and intraoral tips. **GrandioSO Heavy Flow** was evaluated by 29 consultants in 806 uses. It received a 96% clinical rating.

Product Features

Consultants liked the consistency and stackability of GrandioSO Heavy Flow. It extrudes without air bubbles and does not ooze out of the syringe after use. Some commented that they believed that the high filler content (83% by weight) would result in improved strength and wear resistance. Shades are accurate to the shade guide, and blending with the tooth is excellent. While the material can be used to fill Class II cavities, some consultants found it difficult to manage in larger restorations. Fifty-nine percent of consultants reported that **GrandioSO Heavy Flow** was better than their current flowable composite and 31% reported they were equivalent. Eighty-three percent would switch to **GrandioSO Heavy Flow** and 90% would recommend it.



Consultants' Comments

- "I liked the consistency, flows but stackable."
- "Good option for Class V restorations where too much flow is a problem."
- "I liked the high filler content – may have more wear resistance."
- "Shade selection and esthetics were good."
- "Labeling on the syringe clearly indicates viscosity and curing time."
- "The high viscosity makes it a little more difficult to express from the syringe."

Clinical Tips

- Place all secondary anatomy after bulk placement.
- For better adaptation to the preparation, agitate the tip within the material.
- Not all shades are available in caps - see package insert.

Futurabond DC + + + + +

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Description

Futurabond DC is a dual-cured, self-etching bonding agent (7th-generation) that is reinforced with nano-particles. It is indicated for use with direct light-, dual- or self-cured composite restorations and core build-ups plus cementation of posts and indirect restorations (inlays, crowns and bridges) with light-, dual-, or self-cured resin composite cements. The system includes two liquids - the self-etching bonding agent and the dual-cured activator. **Futurabond DC** is available in SingleDose blister packs or in 4-ml bottles. To use the blister pack, press the blister to allow mixing of the two liquids. Puncture the foil with the applicator brush and stir. Apply to the tooth for 20 seconds, air dry and light cure for 10 seconds. **Futurabond DC** SingleDose was evaluated by 18 Editors in over 370 cases. This product received a 96% clinical rating.

Evaluation Protocol

Futurabond DC SingleDose was evaluated by 18 Editors in over 370 cases.

Editors' Observations

Manufacturer Instructions and Packaging

The SingleDose packets are compact and provide an adequate amount of material for multiple restorations. The product is packaged with an illustrated instruction card. Room temperature storage enhances the convenience of **Futurabond DC**, allowing it to be stored in the operatory, rather than under refrigeration.

Ease of Application/ Surface Wettability and Viscosity

The SingleDose blister is easy to activate and mix with the applicator brush included, but there is no way to determine visually if the product is adequately mixed. **Futurabond DC** consistently earned high ratings for its viscosity and wettability. Editors reported that it was easy to wet the tooth surface with the material and it was easy to apply. The entire bonding process is time-efficient.

Rebilda Post System + + + + +

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Description

The **Rebilda Post System** is a complete kit that includes the Rebilda Post, a radiopaque, translucent fiberglass post. It is indicated for use in endodontic post build-up for support and anchorage of coronal restoration in situations with insufficient tooth structure. Posts have corresponding drills, are color-coded and are supplied in three sizes: 1.2, 1.5, and 2.0 mm. Also included in the kit are Rebilda DC core build-up material and **FuturaBond DC** dual-cured, self-etch adhesive. The kit includes application aids like endo tips for the cementation and endo brushes for the adhesive application. The **Rebilda Post System** was evaluated by 28 consultants in 212 clinical cases and received a 96% clinical rating.

Product Features

Rebilda Post System features all necessary materials in one kit. Each fiberglass post is individually sealed and has easily identifiable color-coding on the package that matches the color of the drill. A quick reference card is conveniently located inside the lid of the kit so that when the kit is opened for use, the card is easy to read. The taper and sizes of the posts were well received, and evaluators reported the drills cut very efficiently. **Rebilda Post System** contains **FuturaBond DC**. Having a self-etching adhesive that is compatible with the core material is an asset to the system. Both the adhesive and the Rebilda DC core material are dual-cured and may be used to both lute the post and form the core. Overall, evaluators reported that the **Rebilda Post System** was comprehensive and



Consultants' Comments

"SingleDose design is relatively easy to use."

"Good wettability of the tooth surface."

"**Futurabond DC** SingleDose provides fresh material for each case."

"Versatile adhesive system."

"Does not have a strong odor."

Time Required for Bonding Procedure/Usefulness for Various Procedures

Editors reported that **Futurabond DC** was quick to use, with a 35-second total procedure time: 20 seconds for application, five seconds for air dispersal, and 10 seconds for light curing. The system is versatile in its compatibility with common restorative and cementation procedures.

Lack of Patient Sensitivity

No postoperative sensitivity was reported during the evaluation period.

Clinical Tips

- To avoid bending the brush head, puncture the foil of the SingleDose with the handle end of the applicator brush if you do not use the VOCO Single Tim brush.
- When using **Futurabond DC** for post cementation, do not light cure the bonding agent in the post space.
- Works best following finishing with a fine diamond or carbide bur.



Consultants' Comments

"Complete kit; good size selection."

"This is the most complete packaging I have seen."

"Excellent match of drills to post taper."

"Smaller posts and extra drills would be great additions to this kit."

"Include the bonding procedure on the quick reference card."

easy to use. Sixty-four percent of consultants rated **Rebilda Post System** better than their current post system and would switch to it, while 61% would recommend the product to colleagues.

Clinical Tips

- Use a conservative amount of core material in the canal. Overfilling could prevent the post from seating completely.
- Briefly light cure the initial layer of core material to tack it in place, then incrementally add material until final contours are achieved.

Dimanto + + + + +

VOCO | (888) 658-2584, www.vocoamerica.com

Description

Dimanto is a one-step polishing system for pre-polishing and high-gloss polishing of composite restorations. The diamond-interspersed silicone polishers are suitable for repeated use. The recommended speed is 3,000-8,000 rpm. **Dimanto** can be used with or without water spray. **Dimanto** is provided in a five-piece kit containing a small point, a large point, a small cup, a large cup, and a lens. These are also available individually in 10-piece kits. **Dimanto** was evaluated by 27 consultants in 676 uses. It received a 96% clinical rating.

Product Features

Dimanto polishers were easy to use to achieve high gloss on composite restorations. The polishers were durable and maintained their shapes, even after repeated usage and sterilization. Consultants were pleased with the gloss produced by **Dimanto**, particularly when used with water spray. The selection of shapes is ideal, and the sizes are small enough to polish detailed anatomy of the restoration. The polishers are re-usable after sterilization. Thirty-seven percent of consultants reported that **Dimanto** was better than their current composite polishing system and 48% reported that it was equivalent. Sixty-three percent would switch to **Dimanto** and 89% would recommend it.

Clinical Tips

- Do not use at speeds exceeding 20,000 rpm.
- Works best following finishing with a fine diamond or carbide bur.



Consultants' Comments

"Concentric wheels – good selection of shapes."

"Firm, reusable tips – they do not degrade quickly."

"Produces polish without a lot of pressure."

"Good polish after repeated sterilization cycles."

"Infection control recommendations in the instructions are not relevant to US standards."



Editors' Note

The manufacturer is currently updating the directions for use to reflect US standards for infection control recommendations.

Ufi Gel SC + + + + +

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Description

Ufi Gel SC is an excellent soft reline material. The light pink, transparent silicone material is intended for chairside relines of partial or complete dentures. It can be used on patients with insufficient fit or retention of dentures, flabby ridges, and for adaptation of immediate dentures. The reline material can self-cure intraorally in 6 minutes, or it can be processed in the laboratory using a pressure vessel. It is designed to have high tear resistance and bond strength, while remaining soft over time. The kit contains a 50-ml auto-mix cartridge of reline material, mixing tips, adhesive, glazing base/catalyst, and a polishing disk. Twenty-two consultants evaluated **Ufi Gel SC** in 86 prosthetic procedures over a three-month evaluation period. This product received a 96% clinical rating.

Product Features

Ufi Gel SC was used by consultants for a variety of prosthetic procedures, including soft relines of partial and complete dentures, temporary relines, model blockout, and soft tissue replication on models. Consultants found the kit to be complete with good packaging. They also noted that the automix cartridges allowed easy dispensing. The consistency of the material was rated excellent, and the glaze helped to seal trimmed margins. Retention of the reline was excellent and also easy to remove when desired. Most patients appreciated the fit and comfort of the reline material. Ninety-five percent of consultants found **Ufi Gel SC** to be the same as or better than their current soft reline material and would purchase and recommend it.



Consultants' Comments

"Very comfortable for patients."

"Handles well in the mouth."

"Good for temporization of dentures after extractions."

"Easy to remove when needed."

Clinical Tips

- Follow directions carefully and wait the recommended time for best results.
- Trim excess material with a scalpel blade or the enclosed polishing wheel.