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CleanJoy



Final grade: 9,5



PRODUCT DESCRIPTION

CleanJoy is a prophylaxis and polishing system with three fluoride pastes in different degrees of cleaning intensity. All pastes contain fluoride (700 ppm, help strengthen dental tissues and promote remineralization) and xylitol (bacteriostatic action). They have a pleasant mint flavor. The system allows for the effective and yet gentle removal of soft or mineralized plaque deposits from tooth surfaces, restorations, implants or prosthetic restorations.

The degree of abrasiveness is identified by a color system analogous to the traffic light:

- ✓ Red (Coarse) Paste: For effective removal of strongly accumulated and adherent plaque pigmentation and deposits.
- ✓ Yellow paste (medium): For the removal of light or moderately accumulated plaque deposits.
- ✓ Green (thin) paste: For the removal of lightly accumulated plaque deposits. Suitable for implant cleaning and after prophylaxis jet. Should be used after red and / or yellow for final polishing.

PRODUCT CHARACTERISTICS

- ✓ Firm and homogeneous consistency, does not cause splashes;
- ✓ Paraben-free;
- ✓ Available in three grades of abrasiveness for individualized prophylaxis;
- ✓ Simple and unmistakable coding using the colors of the traffic light;
- ✓ They can be applied with any rotating tool (brushes and cups, for example);
- ✓ Contains fluorides (700ppm) and xylitol (bacterial metabolism inhibitor);
- ✓ Nice taste of mint; and

- ✓ Available in 100g or Single Dose tubes (to extract the paste more hygienically and in single doses, one Single Dose is sufficient for every mouth).

MAIN COMPETITORS IN THE BRAZILIAN MARKET

- ✓ Prophylaxis and polishing paste Clinpro Prophy - 3M.
- ✓ Prophylactic paste Detartrine - Septodont.

USAGE INDICATIONS

- ✓ Removal of mineralized or non-mineralized superficial bacterial plaque;
- ✓ Removal of extrinsic pigmentation (caused, for example, by coffee, tea or tobacco);
- ✓ Dental surface polishing in professional dental cleaning before bleaching or after removal of orthodontic appliances;
- ✓ Cleaning and polishing restorations in professional dental hygiene; and
- ✓ Removal of remains of temporary cementing material prior to permanent cementation.

REVIEWER COMMENTS

Highlights: Easy-to-use sequence; Pleasant taste; Attractive colors; Proper packing; Very efficient. Top marks. (Cesar dos Reis Perez)

“It really surprises very positively the effectiveness of Voco’s prophylactic pastes. Their different abrasives allow for more complete prophylaxis; Its pleasant taste and the smoothness promoted on the dental surfaces after its use make the patients feel immediately after the procedure. Patient feedback when these VOCO CLEANJOY folders are used is very positive. It really surpasses other competitors in the market with a differentiated product. Note: 10.0”. (Roberto Amaral)

“They have adequate consistency, not causing splashes like those that occur when using pumice paste. In addition, the odor and taste are very pleasant, and the green (thin) paste causes a feeling of smoothness on dental surfaces as well as ceramic and composite resins. The only drawback is the longer procedure due to the sequential application of the 3 folders (red, yellow and green). Note 9.0” (Rodrigo Ehlers Ilkiu)

“CleanJoy, with its variety of grains and its intuitive abrasion grading system following a sequence that follows the colors of a traffic light, makes life easier and further extends the range of prophylactic paste applications. Recommended! Top marks. (Marcelo Balsamo)

“CleanJoy features 3 granulations of prophylactic pastes, with colors that make it easy to apply and according to need. Using the entire sequence of pastes, it is possible to remove the stains and give surface smoothness of the dental structure. It has a pleasant taste and a good consistency, facilitating its use and avoiding splashes. I use CleanJoy to maintain composite resin veneers and red paste to remove temporary cement prior to adhesive cementation. Note 9.0”. (Antonio S. Sakamoto Jr)

“Periodic prophylactic control is essential for maintaining the oral health of patients. When performed with effective products and pleasant flavors makes this procedure more acceptable. Thus, CleanJoy pastes play an excellent role in low-complexity preventive dentistry, but are costly. Nota: 8.5 (Cristian Higashi)

“CleanJoy pastes with three different granulations can provide my patients deeper and more effective prophylaxis. I could see during use the ability to promote polish and shine in aesthetic restorations of composite resins and remove stains in the cervical regions, which are often difficult to remove. Congratulations to VOCO for the great product!” Grade 10 (Breno Mont’Alverne)

“CleanJoy is a unique paste on the market with three grades of abrasiveness, identified by the colors red, yellow and green. This difference makes it more versatile to use as each folder fits a clinical situation. In addition, the presence of fluorine and xylitol has an inhibitory action of bacterial metabolism. I use CleanJoy daily for pre-cement cleaning and composite resin restorations, especially when applying universal adhesive, such as Futurabond U. This conduct makes the success of my procedures more predictable in one of the most important steps in Restorative Dentistry, adherence.” Grade 10 (Leandro de Moura Martins)

Clearfil SE Bond (Kuraray)



Final grade: 9,8



PRODUCT DESCRIPTION

The new generation of self-etching enamel adhesive systems dentin.

It is a light curing adhesive system that significantly reduces procedure time while still providing excellent strength and sealing for light curing restorations.

It consists of two vials: Primer (self-etching, monomeric acid) and Bond (resin-based hydrophobic monomer). It has the well-known adhesive monomer MDP (10-Methacryloyloxydecyl dihydrogen phosphate); the same used in the PANAVIA series.

PRODUCT CHARACTERISTICS

- ✓ Self-conditioning;
- ✓ No washing required (no concern for dentin wetting level);
- ✓ Fast application;
- ✓ Simple manipulation; and
- ✓ Absence of postoperative sensitivity.

Application Protocol

- ◆ Apply brush / microbrush primer for 20 seconds;
- ◆ Do not wash;
- ◆ Dry with a gentle blast of air;
- ◆ Apply bond and remove excess;
- ◆ Light cure for 10 seconds.
- ◆ Apply composite resin or compomer and light cure.

MAIN COMPETITORS IN THE BRAZILIAN MARKET

- ✓ Universal Single bond (3M).
- ✓ Tetric N Bond Universal (Ivoclar Vivadent).

USAGE INDICATIONS

- ✓ Hybridization of preform preparation;
- ✓ Direct restorations using light cured composite resin or compomer;
- ✓ Cavity sealing as a pretreatment for indirect restorations;
- ✓ Cervical restorations; and
- ✓ Intraoral repairs to fractured porcelain, hybrid ceramic or composite resin crowns using light-cured composites.

REVIEWER COMMENTS

"It is considered the gold standard system, with extensive scientific documentation. The use of Clearfil allows better control of adhesive procedures since phosphoric acid is not used as dentin pretreatment, thus reducing postoperative sensitivity. An indispensable material in clinical practice."
(Oswaldo Scopin de Andrade) (NOTE 10.0)

"I have been using the Clearfil SE Bond adhesive system for over 15 years and the clinical results are excellent, especially in terms of postoperative

chewing sensitivity. One disadvantage is mucosal irritation when in contact with soft tissue, and one suggestion is to use the patch only after absolute isolation." **(Cristian Higashi)** (NOTE 9.8)

"The Clearfil SE Bond adhesive system is synonymous with safety as it has over 20 years of scientific proof of its effectiveness. Direct composite resin restorations in class I, II and V cavities are usually affected by postoperative sensitivity when using a conventional adhesive system. However, with the use of Clearfil SE Bond, a 2-step self-etching adhesive system, postoperative sensitivity reaches levels bordering on nonexistence, even in deep cavities. Therefore, it is my only option in these three clinical situations, being standard in my daily clinic. In indirect restorations, such as inlay, onlay, crown or ceramic laminate preparations, when there is exposure of dentin tissue, I use after refinement of the preparation walls and prior to molding, in a procedure known as immediate dentin sealing, both in vital teeth, when devitalized, to decrease postoperative sensitivity, but also to increase bond strength values after permanent cementation of ceramic restorations. The only drawback I notice is its yellowish color, which, in direct restorations on anterior teeth, can have some negative aesthetic effect." **(Rodrigo Ehlers Ilkiu)** (NOTE 9.0)

“2-bottle self-conditioning adhesive system, it has the primer with acid monomer, which dispenses with prior conditioning of the dentin with phosphoric acid, thus avoiding postoperative sensitivity in direct restorations in posterior teeth, a situation commonly found when total etch adhesive systems are used. I have been using this adhesive system since 2005 and have been obtaining excellent clinical results. I recommend its use in dentin hybridization after dental preparation, restoration of noncarious cervical lesions and direct posterior restorations. The clinical tip is to perform selective conditioning of the enamel with phosphoric acid before applying Clearfil SE Bond.” **(Antonio Setsuo Sakamoto Junior)** (NOTE 9.8)

“Self-etching gold standard adhesive system, simple to apply, giving high hybrid layer standard and very low postoperative sensitivity. Two vial system.” **(Thiago Ottoboni)** (NOTE 9.0)

“Clearfil SE Bond is the industry-renowned self-etching adhesive with excellent literary support, which justifies its reliable use! The values of dentin adhesion and simplification of use, besides the low sensitivity, make the dental surgeon who uses it difficult to change the system. Remember that, as with all self-etching, it requires selective acid etching in the enamel. Therefore, the clinician

should prioritize using a phosphoric acid with adequate thixotropy.” **(Bruno R. Reis)** (NOTE 10.0)

“Simply the best adhesive system I’ve ever worked with. After I started using Clearfil SE Bond, I had no problems with loosening cervical restorations, and I also noticed a drastic decrease in postoperative sensitivity.” **(Carlos Eduardo Oliveira)** (NOTE 10.0)

“Clearfil SE Bond is an adhesive that ensures zero sensitivity in dentin restorative procedures. After I started using it in my daily clinic, patients thank you! Sticker with over 20 years on top as the best. Recommend it! **(Eduardo Souza Júnior)** (NOTE 10.0)

“Clearfil SE Bond is a clinically proven adhesive system that has been found to be reliable in using an excellent material. The bond strength of the adhesive interface obtained ensures the longevity of restorative procedures. Also noteworthy is the ease of use, the functional acidic monomers of its composition, which interact very well with dentin, and the null postoperative sensitivity in direct restorations with composite posterior teeth.” **(Roberto César do Amaral)** (NOTE 10.0)

“Versatile adhesive, always used when there is dentin exposure in Class I and II cavities (can be used from shallow to deep cavities), Class V cavities

and dentin sealing in prosthetic preparations. With this adhesive system, we use selective enamel conditioning. I've been using Clearfil SE Bond for a few years now and have seen a drastic reduction in postoperative sensitivity. This system requires the operator to be technically careful in its use because the infiltration of the material into the dentin depends on the time of application and the microbrush friction on the dentin.” (André Esteves Milicio de Souza) (NOTE 10.0)

“Having an adhesive system that simplifies acid conditioning control and maintenance of dentin moisture considerably shortens operative time and makes application easier and safer for the clinician in their daily practice. Techniques that depend on dentin conditioning require accurate control of phosphoric acid application previously and high moisture control after washing, which makes the technique more sensitive, depending on further steps for correct execution, leading to a higher chance of mistake. As a major disadvantage, the strong amber color of both the primer and the adhesive can turn the dental substrate yellow if not properly removed and may have an undesirable effect on anterior teeth.” (Gustavo Petris) (NOTE 10.0)

“There has been an indispensable material in my daily professional practice for a long time. Almost like a wildcard of dentistry, because, regardless of whether the cavity is shallow, medium or deep, an efficient adhesion is always presented. In addition, I highlight the postoperative comfort of the patient. Complete for those seeking excellence in dentin protection with a simplified technique.” (Ginger Mello) (NOTE 10.0)

CLINICAL TIP

“Prior to casting in indirect restorations, use Clearfil SE Bond as a dentin protection agent. The technique initially described as Resin Coating and later modified as Immediate Dentin Sealing improves the bond strength (adhesion) between the part and the tooth, and reduces the chance of sensitivity and contamination during the provisional phase.” (Oswaldo Scopin de Andrade)

Enamel Plus HRi (Micerium)



Final grade: 9,0



PRODUCT DESCRIPTION

Enamel Plus HRi is a radiopaque, light-curable, 80% charged nanohybrid (Nano Zirconia Oxides) composite. Enamel HRi allows you to reproduce dental structures with simple, sophisticated and always reproducible technique.

Follows the ISO 4049: 2000 standard

The system includes:

- ◆ **Enamel Plus HRi Universal Enamel (EU):** a resin specially developed to replace lost tooth enamel and which, due to its characteristics, acts as a natural enamel. It has the same optical properties as natural enamel as it is the first composite with the same refractive index as natural enamel (1.62) and high brightness. These two unique properties simplify the restorative process and eliminate the “glassy effect” (grayness) of the restoration, leaving the margin invisible. Its stratification technique is differentiated due to the behavior of universal enamel, which clones natural enamel. Universal enamels are classified by value, not by color, and represent the different levels of translucency of natural enamel according to the age of the patient.

3 Universal Enamels are available:

- ◆ **UE1 low value:** Worn teeth or elderly patients.
- ◆ **UE2 medium value:** Natural teeth of adults.
- ◆ **UE3 high value :** Teeth whitened or deciduous.

- ◆ **Enamel Plus HRi Dentin:** It has similar fluorescence to the natural tooth, high brightness (value) and its high opacity allows perfect reproduction of the dentin with color saturation.
- ◆ It has only A scale compatible with the Classic Vita.

9 colors of dentines are available:

- ◆ UD0,5 -teeth whitened;
- ◆ UD0 - teeth whitened;
- ◆ UD1 - corresponding to VITA A1;
- ◆ UD2 - corresponding to VITA A2;
- ◆ UD3 - corresponding to VITA A3;
- ◆ UD3,5 - corresponding to VITA A3,5;
- ◆ UD4 - corresponding to VITA A4;
- ◆ UD5- corresponding to VITA A4 + (upon request); and
- ◆ UD6- corresponding to VITA A4 ++ (on request).

PRODUCT CHARACTERISTICS

- ✓ Nanohybrid resin.
- ✓ First with the same refractive index as natural enamel.
- ✓ Optical properties similar to natural enamel.

Simplified Restorative Process:

- ✓ Resin thickness exactly equal to tooth enamel thickness promotes cloning of natural enamel only with varying thickness. The enamel resin should be applied with a similar thickness, slightly thinner, than the natural enamel on the tooth being restored. By increasing the EU thickness, it becomes whiter (higher value), and by decreasing, more translucent. Thus, in the incisal, there is no need for dentin, the enamel produces the amber blue opalescent effect of the natural enamel.

MAIN COMPETITORS OF THE BRAZILIAN MARKET

- ✓ Filtek™ Z350 XT Resin.
- ✓ Omega Stellite Resin - Tokuyama.

USAGE INDICATIONS

- ✓ Direct and indirect aesthetic restorations in anterior and posterior areas.

REVIEWER COMMENTS

“Simple and practical system to use; presents optical characteristic similar to enamel and natural dentin. Enamel Plus HRi has 80% load, giving excellent mechanical property. I like to use the high value (brightness) UE3 resin for teeth whitening cases, when it is possible to obtain satisfactory and

natural clinical results. Another plus point is viscosity, which favors carving and manipulation during restoration. Score: 9.8.” (Antonio S. Sakamoto Jr)

“Enamel Plus HRi (Micerium) has different sculptures for each type of resin (enamel, dentin and biofunction). I noticed a greater fluidity of dentin colors compared to enamel and biofunction, which are denser. As for the technique, there is a guidance from the manufacturer of use, respecting the histological thicknesses of each tissue (Lorenzo Vanini’s technique), which allows excellent margin masking and dispenses with bevelling or the use of less translucent resin (dentin) in part of the margin that would be enamel, both techniques commonly used for masking the margin of restorations. As for polishing, the use of abrasive rubbers, diamond pastes with decreasing granulation and aluminum oxide paste guarantees good results. Score: 9.0”. (Raquel Lanna Passos)

“Composite with excellent viscosity, providing easy handling in any type of restoration. Highlight to the dentin colors, which present fluorescence similar to the natural tooth. SCORE: 9.0 (Rodrigo Ehlers Ilkiu)

“Very high quality resin with refractive index equal to dental enamel allowing natural stratification and high brightness value! Very good polishing! Just a

little sticky, but we managed to work very well!
SCORE: 9.0 (Thiago Ottoboni)

“The optical behavior of HRi’s enamel resin proves to be very interesting, as increasing thickness generates an increase in the final restoration value, not a grayishness. It is easy to polish, and with aluminum oxide polishers shine is achieved more easily. Viscosity is low for a conventional resin, which makes carving and manipulation difficult. However, since resin consistency is a personal taste of every professional, some may like this feature. SCORE: 9.0 (Bruno Reis)

“A sophisticated system simplified by its nature. The advantage of having a material that has optical characteristics as well as mechanical characteristics very close to the dental values makes the understanding of the application of this system more predictable. It is a system of stickier resins (soft). The fact that it presents a single hue - (A) - for dentin resins, being differentiated in different saturation levels, with great opacity, makes it easier to think about stratification, selecting the dentin resin by substrate condition, application area. and / or age of the patient. As an advantage in the use of the last layer (enamel), having this resin classified in different levels of value helps the application, when the clinician understands