SIMPLEE®

All you need. No more. But no less.

Universal Bond

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Instructions for use

Self-Etch Adhesive System for Enamel and Dentin

Professional use only

Read all the information carefully before using the product. Keep it for later reference and total consumption of the product and/or will there is no more interaction between the product and its last patient.

Product description

Universal Bond is a single bottle self-etch light-curing adhesive system (Levenach Generation), responsible for the union between tooth structure (enamel and dentin) and restorative materials. The primer and bonding agent are contained in a single bottle. The product is ready for use and does not need to be mixed with any other agent, therefore, it ensures practicality and ease of use, which adequate adhesive strength.
It can be used on direct restorations made of composite resins and light-curing glass ionomer or for indirect procedures when associated with resin cement. The product contains HEMA, which allows it to be used on moist, metallic and ceramic primer.
Simplee Universal Bond is made with a combination of different phosphoric acids. These react with each other and enhance the curing effect of the light from the polymerization lamp. This in turn increases the bond strength and improves the mechanical properties of the adhesive. This Simplee Universal Bond is colourless, so it does not change the colour of the tooth.

Product Presentation

Package containing bottles with 5ml of the product.

Basic Composition

Water, hydroxyethyl MDP (10-methacryloyloxydecyl dihydrogen phosphate), methacrylate monomers, photoinitiators, complex co-initiators, stabilizers.

Product Indications

- All classes of direct restoration with composites (class I, II, III, IV and V)
- Adhesive lining (in addition to resin cement) of prosthetic pieces (crowns, crowns, onlays/inlays, veneers, etc.) made of Ceramics, zirconia, ceramic, resin and metal.
- Adhesive repair in composite restorations
- Use as sealant

Contraindications

- Before using the bonding agent, make sure that the dentin surface is slightly dirty (moistened). Do not wet.
- Do not use in the whole procedure must be oil and water free.
- The recommended Simplee Universal Bond for the product depends on the power of the light emitted by the equipment used. The recommended power intensity of the light curing unit is above 400mW/ cm² which guarantees the quality of the product and the proper polymerization and the quality of the bonding. Lightcuring units must have its light intensity checked by calibrated frequently. It is recommended that the patient and the surgeon use protective glasses against the light emitted by the light curing unit.
- Do not apply excess of adhesive to avoid compromising the quality of adhesion and prevent any aesthetic alteration. Remove the excess after application of an brushed adhesive. Excess can be avoided to prevent or facilitate in the adhesive.
- Do not leave the adhesive at the reach of patients and children.
- The adhesive contains methacrylate monomers. Avoid contact with the product in patients with allergies to acrylics/ methacrylates. To reduce risks, minimize the exposure time of the dental tissues to the material when it is not polymerized.
- Wear protective gloves and clothing.
- Prevent the product from getting into the eyes. Protection of the product contains irritants accidental contact with eyes and tissues, wash the areas abundantly with water.
- Bottles sure to be closed after use.
- Fit in deep cavities protect the dentin pulp complies with a base or liner material. Do not use material that contains Eugenol, as it may interfere with the polymerization of the adhesive. The application of high concentration of H2O2 should also be avoided because it can interfere on the curing process of the adhesive.
- Do not use the product to bridge the bottle before using the adhesive.

Side effects

Rare cases, in rare cases sensitization reactions in patients who are sensitive to any components of the formula. In the case, the material should not be used.

Instructions for use

Before starting the treatment read carefully the Warnings, Precautions, Contraindications and possible Side Effects.

1.APPLICATION METHODS/DIFFERENT INDICATIONS

1.1 Light-curing direct restorations in enamel and/or dentin:

1. Prepare the cavity and remove the dentin shavings with water and sodium bicarbonate jet.
2. Prior to doing the teeth shade make sure that teeth are clean and hydrated.
3. Anesthesia can be administered if required.
4. Properly isolate the area. Direct bonding restorations can be adequately performed with rubber dam or relative isolation depending on the case. There are cases where the use of rubber dam is essential.
5. Apply Universal Bond on the entire cavity and gently rub the surface for 20 seconds as shown below. Apply two layers of adhesive - one drop for each - on the slightly moistened tooth surface. The first layer should be applied with a brush. Gently blow air for 5 seconds to evaporate the solvent. Apply the second layer. Gently blow air for 10 seconds. Then, the adhesive is ready - no need to polymerize. Avoid contamination of the adhesive with saliva or blood. Do not contaminate the adhesive with water. Use a new applicator if contaminated.

1.2 Light-cured indirect restorations:

With the aid of a disposable micro applicator, apply two layers – one drop for each of the products into the cavity preparation. Gently blow air for 5 seconds to evaporate the solvent. Apply the second layer. Gently blow air for 10 seconds. Then light cure for 20 seconds, and then light cure for 20 seconds.

1.3 Light-cured direct restorations with composite resin and light-curing glass ionomer or for indirect procedures when associated with resin cement:

1.3 As metallic or non-metallic ceramics primer:

After conditioning the tooth surface, apply two layers of Universal Bond with the aid of a disposable micro applicator, apply Simplee Universal Bond under friction on the internal surface of the previously treated ceramic. Leave it undisturbed for 15 seconds and then lightly blow air for 5 seconds. Do not dry the ceramic. Apply the resin cement on the internal surface of the piece.

2.A.The adhesive repair of composite:

Apply Universal Bond on the surface of the composite. Wait 5 seconds. Lightly blow air for 5 seconds. Light cure for 20 seconds. Apply the composite and cure according to the respective instruction manuals.
The recommended power intensity of the light curing unit is above 400mW/ cm² which guarantees the quality of the product and the proper polymerization and the quality of the bonding.

2.B.BONDING OF RESTORATIVE MATERIALS

Follow the instructions for use of the bonding material for specific instructions of the product selected for the procedure.

Conservation and Storage

- Keep Universal Bond in a cool place at temperatures between 2°C to 25°C / 41°F - 77°F.
- Protect product from external contamination.
- Do not use the product after the expiration date. Check carefully after use in order to prevent relevant exposure. Do not expose the products: intense light or high temperatures.
- Do not freeze the product. Do not use

appliance abbreviamente, ed ha dodici bombardiere fatte nel dentifricio vari che 2 % lo include. Nitro dentale laxa sul dente, ma non gli impedisce di ritornare alla sua forma di base.
6. Sementerring: ce pratiksbilset eft Applian 3F 3 forbindelsesringe i nikkelsølv og den gennemvende termoplastiske i 12 sekunder. Klik omkredsforbindelse og fjern overflødig rem med diskoskæring.

2 PRÆPERING AV ÅRSKEV

2.1 Direkte og indirekte restaurationer

Drypp Simpler Universal Bond ut slagprøvejas eller direkte på en mikroapplikator. Pitter to lag av dråpen i hverfrag, slip det lakk blåsende tørrovelfen. Ser lakk ganske tynnt ut – overflaten vil gi glansgjelinder med overflaten i 10 sekunder. Herda lag med en ny dråpe, pitter i en 10 sekunder, og slå blåse der forsiktig i 10 sekunder for å fordeling lakkmyndighet. Deretter lysherda forsiktigen i 10 sekunder.

2.2 Sementering av prøbeskrivelse eller og konser

Sementering av prøbeskrivelse eller og konser: Bruk Simpler Universal Bonden. Om en herd lag i 10 sekunder. Blås forsiktig forsiktigen og lys fra alle sårgrensene med lysherdere. Sørgeskjelen er nå klar for sementering.
Dette er viktig å sørgeg at det ender og er hye av sårkanten. Om sårkanten er ikke ikke er kanden. Dette vil vanskeligere fordringer av sementering og det er et polymerprosjekt blir vanskeligere.

2.3 Sørn primer for metall og ikke-ædelm kerramer:

Ta en ringeskjelen og ta den ut av den overflødige sementen. Ikke gjøre dette. Med en mikroapplikator gis Simpler Universal Bond en i overflaten og lys i 10 sekunder. Lys fra alle sårgrensene. Det er nå klar for sementering.

2.4 Sørn primer på ædelm kerramer:

Rengjørgjelen er de samme som punkt 2.3. men – deler fri å sandblase overflaten, etse den med flyssyre og sørgeg en primer Simpler Universal Bond applisere. For ytterligere informasjon om bruken av flyssyre og sørn, henvises det til produsenens bruksanvisning.
Om sørgeg herdeskjelen ønskes – bruk en ytterligere dråpe Adhesive. Arbeidet skilt er nemmere 450nm(nm) Dere Simpler Universal Bond.

4. RESTAURERINGSMATERIALER VED BONDING:

Ifølge restaurerings eller sementeringsmåte er det anbefalte materialer som er angitte de nederstående som det Simpler Universal Bond er godkjent.

Oppbevaring og bruk:

Simpler Universal Bond inn lagers: temperatur mellom 5 og 22 grader C. Beskytt produktet fra jeg kontaminering.
Fjæsen som inneholder produsen nå lakas omsyggelig eller bruke fjæsen for å forhindre forskjøning av produsen.
Ikke bruk produsen etter at det er utløpt dato.
Ikke bruk produsen om er gått ytterligere.
Resgjørgjelen Simpler Universal Bond er fjæsen med alkohol.
Simpler Universal Bond er holdbar i 2 år etter produksjonsdato. Dere det produsen kostnaden, nyttig kalk kulpa, og produsen kostnaden kulpa kommer.
5. Tetikondrasteter juskanaraksteter sementer. Vre 37 5 bioforbyggende juskanaraksteter og juskanaraksteter. Dere 37 juskanaraksteter. 5 juskanaraksteter. Dere det juskanaraksteter.

5. SODDANNEN VENTI

5.1 Sørnt er gjø det:

Anvende Simpler Universal Bonds sikkerhuplyser to suoceer kantskjøtsvede mikroapplikatorer. Vie kaste mikroapplikatorer. Dere Simpler Universal Bond kan ikke kontaminere. Dere Simpler Universal Bond er sterilt og ikke inneholder latex eller kvitrelse. Vikkuset kvanteskrivendi vilmaseta kjøtsvatto applicatorer. 10 sekunder. Sørn. Tørre kantskjøtsvede. Dere Simpler Universal Bond. Dere det det det