

## Light Bond™

### LIGHT CURE SEALANT AND BRACKET BONDING SYSTEM WITH OR WITHOUT FLUORIDE

**INDICATIONS FOR USE:** Light Bond is intended for use as a light cure bracket and lingual retainer adhesive.

#### **PRODUCT FEATURES**

**MULTIPLE PASTE VISCOSITIES:** Light Bond™ is available in 4 viscosities: Operative, Regular, Medium and Thin.

**BONDS TO METAL, CERAMIC & COMPOSITE SURFACES:** Light Bond™ will bond to any enamel, porcelain, composite or metal surface, when properly conditioned.

**\*ALSO AVAILABLE:** PRO SEAL® and L.E.D. PRO SEAL® are light cure filled fluoride sealants that totally polymerize without an oxygen inhibited layer. PRO SEAL® and L.E.D. PRO SEAL® will protect the enamel longer than conventional, unfilled sealants.

#### **INSTRUCTIONS FOR USE:**

**PROPHYLAXIS:** Using a rotary instrument with a rubber cup or brush, prophylax the enamel surfaces to be bonded with 1st & Final® or plain pumice. Do not use prophylax pastes which contain oil, as they can leave a film that will inhibit the etch. Rinse thoroughly and dry teeth with oil and moisture-free compressed air.

**ETCH:** Isolate the teeth for etching. With a cotton pledget or brush, dab the etching agent onto the entire area to be bonded. Do not rub the etching agent on the enamel. Allow 30 seconds for etching (60 for deciduous teeth). Avoid placing etching agent on soft tissue.

**RINSE & DRY:** Rinse thoroughly with water and spray combination to properly cleanse the enamel surface. Rinse each tooth with copious amounts of water for 5 seconds (10 seconds with gel etch) to stop the etching process and remove demineralized particles. Re-isolate and dry teeth thoroughly. The etched area should appear frosty white. If not, re-etch for an additional 20 seconds. If the enamel appears fluorosed or has been contaminated with saliva, the enamel should be conditioned with Assure® Universal Bonding Resin.

#### **APPLICATION OF SEALANT:**

Dispense a drop or two of Assure®, Assure® Plus or Light Bond sealant onto the mixing pad. With a brush, apply a thin uniform layer of sealant to the etched enamel. It is not necessary to cure the sealant at this time. A cured sealant, however, can prevent bracket floatation.

#### **APPLICATION OF PASTE:**

Using a spatula, apply the Light Bond paste and work it into the bracket base. Place bracket on the tooth and press in the desired position. Light cure from the incisal edge for 10 seconds and then 10 additional seconds from the gingival, mesial or distal bracket edge. The light director must be placed as close to the bracket base as possible during curing. Once the paste has been properly cured, an active arch wire can be placed immediately.

Note: Curing times depend on the intensity of the curing light.

**BONDING TO AN ARTIFICIAL SUBSTRATE:** Refer to Assure® Universal Bonding Resin or Assure® Plus Bonding Resin instructions.

#### **BRACKET REMOVAL:**

To remove Light Bond™, use a ligature cutter to grab the adhesive at the bracket interface and peel the bracket from the tooth. The majority of the paste will be removed within the bracket base. Remaining material can be removed with the Renew™ Finishing System Bur and Renew™ Finishing System #383 Point.

**Special Safety Note:** Brush applicators, tips used within the mouth and mixing pads are single use devices. It is required that a new brush applicator, Light Bond tip and mixing pad

sheet are used for each patient. Spatulas and mixing wells can be autoclaved or chemically sterilized between uses.

**CAUTION:** Use of UV, halogen and LED curing lights can be associated with eye damage. The patient, doctor and the assistant should wear properly designed protective eyewear when using these light curing devices.



**PRECAUTIONS:** Unpolymerized resins such as Light Bond Adhesive may cause skin sensation in susceptible persons. In case of contact with the skin, wash thoroughly with soap and water. If accidentally instilled into eye, flush with copious amounts of water and seek medical attention immediately. Contact with other tissues: rinse spill area immediately with copious amounts of water for several minutes.



Light Bond Sealants are flammable.



Etchants are corrosive.



**TEMPERATURE LIMITATION:** Store at room temperature (15-30 Degrees C). Avoid excessive heat. Allow product to reach room temperature prior to use.



**IMPORTANT!** Dispensed sealant and paste should not be exposed to direct light for any extended period of time as a partial activation may occur. Paste can be applied to brackets in advance but must be shielded from any ambient light (i.e., cover with a box top).

**CONTENTS OF KITS:** Economy Kit: 20g Paste in push syringes or syringe tips, (2) 3cc Light Bond™ sealant, 23 gm liquid etch, mixing pad, spatulas and brushes.

**TO REORDER:**

Kits: REF# LBEPF-Light Bond™ Kit in Push Syringes with Fluoride,  
REF # LBETF-Light Bond™ Kit in Tips with Fluoride

Components: REF # LBPPF-5g Light Bond™ Push Syringe with Fluoride,  
REF # LBPTF-5g Light Bond™ Tips with Fluoride, REF # LBS3F-3cc Light Bond™ Sealant with Fluoride,

REF # LBS7F-7cc Light Bond™ Sealant with Fluoride,

REF # LBFSF-3cc Light Bond™ Filled Sealant with Fluoride,

REF# LBFS7F-7cc Light Bond™ Filled Sealant with Fluoride, REF # EL24, 23g Liquid Etchant

**WARRANTY:** Reliance Orthodontic Products, Inc. recognizes its responsibility to replace products if proven to be defective. Reliance Orthodontic Products, Inc. does not accept liability for any damages or loss, direct or consequential, stemming from the use of or inability to use the products as described. Before using, it is the responsibility of the user to determine the suitability of the product for its intended use. The user assumes all risk and liability in connections therewith.

**Rx Only:** U.S. Federal law restricts this device to sale by or on the order of a dental professional.

Made in the USA



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