



# L.C.R.<sup>™</sup> Light Cure Retainer

V16 2/19

**INDICATIONS FOR USE:** L.C.R.<sup>™</sup> is a flowable, light cure orthodontic adhesive intended to be used within an orthodontic, dental or pediatric dental office for the bonding of lingual retainers, creation of occlusal buildups and for retention of thermoplastic aligners.

## **PRODUCT FEATURES**

This highly filled light cure resin paste is an excellent choice when longevity and durability is required.

## **INSTRUCTIONS FOR USE:**

### *BONDING A LINGUAL WIRE RETAINER – **WITHOUT** BONDING PADS:*

1. Place the wire on the stone model and burnish it to the anatomy of each tooth to insure a flush fit. Microetch the wire where the adhesive will cover it.
2. With a fine diamond bur or preferably a micro etcher, lightly roughen the teeth to be bonded. Acid etch the enamel for 30 seconds. Rinse thoroughly and dry.
3. Place a thin coat of Assure<sup>®</sup> Plus or Assure<sup>®</sup> Universal Bonding Resin on each etched tooth.
4. Place L.C.R.<sup>™</sup> paste over the wire. Shape and smooth paste as desired. Cure the paste on each tooth from the lingual for 30 seconds.

NOTE: To prevent L.C.R.<sup>™</sup> from sticking to an instrument, wet the instrument with Assure<sup>®</sup> Universal Bonding Resin or Light Bond<sup>™</sup> sealant.

### *BONDING A LINGUAL WIRE RETAINER – **WITH** BONDING PADS:*

1. Place the retainer on the stone model and adapt each pad to the anatomy of that specific tooth. Microetch the mesh on each pad.
2. Follow Step 2 above.
3. Place a thin coat of Assure<sup>®</sup> Plus or Assure<sup>®</sup> Universal Bonding Resin on each etched tooth. Using the L.C.R.<sup>™</sup> syringe tip or a spatula, apply the paste and work it into the mesh of each pad. Seat the appliance, press in place and stabilize. Light cure each pad from the incisal and gingival edge for 30 seconds each.

**THERMOPLASTIC ALIGNERS:** Prophylaxis, etch, rinse and dry the enamel. Condition the prepared enamel with Assure<sup>®</sup> Plus or Assure<sup>®</sup> Universal Bonding Resin. Apply the L.C.R.<sup>™</sup> paste into the aligner matrix, set and light cure for 20 seconds.

**OCCLUSAL BUILD-UP:** After proper preparation of the occlusal tooth surface (prophylaxis, etch, rinse, dry), apply the L.C.R.<sup>™</sup> to the occlusal surface to the determined height. Light cure 30 seconds.

**CAUTION: DO NOT REUSE IF SYRINGE BECOMES CONTAMINATED. AVOID CONTACT OF THE REUSABLE PARTS WITH THE PATIENTS MOUTH. USE NEW, UNCONTAMINATED GLOVES. APPLY DISPOSABLE BARRIER SLEEVES/WRAPPS BEFORE EACH PATIENT.**

② **LCR tips are single use devices. A new tip should be used for each patient.**

**IMPORTANT:** Curing times depend on the intensity of the curing light. The total curing time can range from 10 seconds to 30 seconds. Please refer to the light manufacturer for recommended curing times.



**PRECAUTIONS:** Unpolymerized resins may cause skin sensation in susceptible persons. In case of contact with the skin, wash thoroughly with soap and water.

Use of UV, halogen and L.E.D. 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.



**TEMPERATURE LIMITATION:** Store at room temperature (15-30 Degrees C) Protect from light and heat.

**TO REORDER:** Kits: Ref# LCREP-L.C.R.™ Kit in Push Syringes

Ref# LCRET-L.C.R.™ Kit in Tips

Components: Ref# LCR-5g L.C.R.™ Push Syringe Ref# LCRT5-5g L.C.R.™ Tips

Ref# LCR15 – 1.5 g L.C.R.™ Syringe with dispensing tips

**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.



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