

# Embrace LC

## Light Activated Orthodontic Adhesive Bonding System.

Reference No. IFU/EL/03/0120



### 1. Product Description & Main Ingredients

Embrace LC Light Cure Adhesive bonds metal and ceramic brackets to tooth surfaces providing you with additional working time for accurate bracket placement. The viscosity of Embrace LC adhesive was designed to prevent adhesive run-on and bracket skating that saves you money and reduces adhesive waste.

### Main Ingredients

Methacrylate Oligomer and monomer, Photoinitiator, Filler.

### 2. Indications

2.1 Bonds metal and ceramic brackets to tooth surfaces.

### 3. Contraindications

- 3.1 If a patient has known methacrylate allergy
- 3.2 Anyone with a history of chemical allergies is advised to undergo allergy checks before treatment.
- 3.3 Patients with extremely sensitive teeth.

### 4. Precaution

- 4.1 Operators must wear gloves, mask and protective eyewear.
- 4.2 Do NOT anaesthetize patient.
- 4.3 Do not allow primer or paste to come in contact with skin, eyes and soft tissues.
- 4.4 Please immediately tightly recap the bottle after use
- 4.5 If prolonged contact with oral soft tissue occurs, flush with large amounts of water. If allergic reaction occurs, seek medical attention as needed, remove the product if necessary and discontinue future use of the product.

### 5. Application Method

#### 5.1 Cleaning Of Teeth:

Clean teeth with pumice powder & water. Dry with oil/moisture free air.

#### 5.2 Etching & Rinsing

- 5.2.1 Apply etchant on the entire area to be bonded. Etchant should be applied using a dabbing action. Do not rub the etchant on to the enamel surface. Leave the etchant in place for 20sec.

- 5.2.2 In primary teeth and teeth high in fluoride, a 90-120 sec etching is recommended.
- 5.2.3 Rinse through with water. Dry with oil/moisture free air. The etched enamel should have a chalky white appearance.

### 5.3 Bonding of Bracket

#### A. Primer Application

- 5.3.1 Dispense one or two drop of the primer onto a mixing pad.
- 5.3.2 Apply a thin layer of the resin onto the etched enamel surface. The bonding resin maybe cured to minimize bracket floatation.
- 5.3.3 Saliva contamination can be cleaned by dabbing the cured resin with alcohol.
- 5.3.4 The bond can be further strengthen by painting a thin coat of bonding resin onto the mesh of the metal bracket and curing for 10 seconds before applying the paste.

#### B. Paste Application

- 5.4.1 Apply the paste onto the bracket base.
- 5.4.2 Position the bracket onto the tooth and press lightly, taking care not to excess pressure to prevent the paste from extruding from under the bracket.
- 5.4.3 If a metal bracket is being used, shine the curing light from the gingival and incisal edges and cure for a minimum of 15 seconds each.
- 5.4.4 Curing may be done directly through a ceramic or polycarbonate bracket for 20 seconds.
- 5.4.5 An arch wire can be placed immediately once the paste has been properly cured.

#### C. Bracket Application

- 5.4.1 To remove bracket, use a ligature cutter and grab the adhesive at the enamel/adhesive interface and separate from the tooth surface. Any remaining resin can be removed with scaler.

## 6. Packaging & Variants

- 1 x 5g adhesive paste syringe
- 1 x 3g Primer Bottle
- 1 x 3g Ortho Etch Syringe.

## 7. Storage & Handling:

Store in a cool place (2°-25°C / 35°-77°F). For best results, keep refrigerated.

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