

### **CAUTION**

- 37% Phosphoric Acid Etching Gel contains phosphoric acid. Avoid contact with skin, eyes, and soft tissue. In case of contact with skin or eyes, flush immediately with water; get medical attention for eyes. Do not take internally.
- Uncured methacrylate resin may cause contact dermatitis and damage the pulp. Avoid contact with skin, eyes and soft tissue. Wash thoroughly with water after contact.

### **PHYSICAL VALUES**

Compressive strength: 45,210 p.s.i. / 316 MPa.

Tensile strength: 7,635 p.s.i. / 53 MPa.

Partical size of filler: Nominal size 3.6 µm.

### **STORAGE**

Store at 2-8°C (36-46°F). For optimum freshness, we recommend keeping it refrigerated. Please keep the cartridge cap tightly when not using Core Rebuild.

### **SHADE**

Natural tooth shade A2.

### **PACKAGING**

48g Cartridge / 20 Intra-Oral Tips.

### **SYMBOLS**



Consult instructions for use



Manufacturer



Caution, consult accompanying documents



Catalogue number



Temperature limit



Batch code



Keep away from sunlight



Use by



Keep dry



Date of Manufacture

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*Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material. The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on the user.*

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## **CORE BUILD-UP MATERIAL DUAL-CURE**

# **GDT CORE REBUILD**

## **INSTRUCTION FOR USE**

**GDT Core Rebuild is a dual cure post and core build-up resin composite material used for restoring a crown or missing tooth structure.**



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## **PURPOSE**

**GDT Core Rebuild** Material contains all of the features of an ideal core build-up material. Formulated to flow and stack without slumping, the material's unique viscosity makes it the perfect core material as well as the ideal post cement. Core Rebuild Material compressive strength is 316 MPa for a strong and reliable foundation for your indirect restorations. Designed to offer optimal versatility and performance, Core Rebuild Material self-cures in min or light-cures in sec to a rock hard consistency that cuts like dentin without ditching. Esthetic natural dual-cure shades A2 in either 25ml auto-mix cartridges.

## **LOADING THE CARTRIDGE DISPENSER GUN**

1. Push the small lever in the back of the Dispenser Gun and make sure the slide (serrated side facing down) is inserted completely into the Dispenser Gun.
2. Lift the plastic hinged cover on the top of the gun and insert the cartridge.  
*NOTE: A notch on the bottom of the cartridge aligns with the notch on the Dispenser Gun. Push down firmly on the hinged cover to lock the cartridge in place.*
3. Before attaching the mixing tip, remove the cartridge cap by turning it 90° counter clockwise, pull and remove. Dispense out a pea size amount of material and discard.
4. Line up the notch on the mixing tip with the corresponding notch on the cartridge flange. Push the mixing tip onto the cartridge and turn it clockwise 90° until it locks into position. If desired, an intra-oral tip can be inserted into the open end of the mixing tip.
5. Pull the trigger of the Dispensing Gun with even pressure to dispense Core Rebuild material.
6. TO REMOVE THE CARTRIDGE: Push up the lever on the back of the Dispenser Gun and pull the slide back all the way. Lift the hinged cover up on the top of the gun and remove the cartridge.
7. Leave the mixing tip on the cartridge until next use. The tip serves to seal the cartridge.

## **IMPORTANT NOTICE**

If you are using a resin based temporization material or a resin based temporary cement over the Core Rebuild, you must put a separating medium (Petroleum KY Jelly) on the core to prevent the temporary material from adhering to it.

## **APPLICATION METHOD**

### **For core build-up:**

1. Isolate the tooth with a rubber dam.
2. Apply 37% Phosphoric Acid Etching Gel to enamel and dentin surfaces for 15 sec. Rinse thoroughly for 15 sec with water. It is important not to splash etch into eyes, onto soft tissues or skin.
3. Dry with clean, oil-free, air without desiccating the dentin. Do not allow etched surface to become contaminated with saliva or blood during the bonding procedure.  
*NOTE: Never use excessive force on syringe plunger to dispense etch which may lead to over dispensing of the material. If resistance is felt replace current tip with a new tip and check flow extraorally.*
4. Rinse the tooth with copious amounts of water to remove the etchant. Blot or lightly blow dry for 2 sec to remove excess moisture. Do not over-

dry, leave the surface moist.

5. Apply 2 consecutive coats of Bonding Primer/Adhesive (GDT Instant Bond) within 10 sec to the dentin and enamel. Gently air dry to remove the solvent. Do not over-dry; the surface should be shiny with resin.
  6. Light cure for 10 sec.
  7. A. If using a matrix band: Place a matrix band around the prepared tooth. Place the end of the intraoral tip directly onto the surface of the preparation and dispense Core Rebuild material. Core Rebuild material has a minimum working time of 40 sec and a set time within 4 min. Core Rebuild self-cures within 4 min.  
B. If using a core form: Place the mixing tip directly into the core form and dispense Core Rebuild material. Core Rebuild material has a minimum working time of 45 sec and a set time within 4 min. Place the loaded core form onto the prepared tooth and hold in place until Core Rebuild material is fully set.
  8. Prepare and finish the core in the usual manner using diamond and carbide burs.
- ### **2. For post cementations:**
1. Apply 37% Phosphoric Acid Etching Gel to enamel and dentin surfaces for 15 sec. Rinse thoroughly for 15 sec with water. It is important not to splash etch into eyes, onto soft tissues or skin.
  2. Dry with clean, oil-free, air without desiccating the dentin. Do not allow etched surface to become contaminated with saliva or blood during the bonding procedure.  
*NOTE: Never use excessive force on syringe plunger to dispense etch which may lead to over dispensing of the material. If resistance is felt replace current tip with a new tip and check flow extraorally.*
  3. Flush the post hole with a copious amount of water and lightly blow dry. Use paper points to remove any excess moisture. Do not over-dry, leave the surface moist.
  4. Dispense 1 drop of bonding material into the post hole preparation. Allow it to sit for 20 sec.
  5. Wick out any excess with an absorbent paper point. Do not leave any pools of bonding agent. Do not over-dry.
  6. Coat a Lentulo Spiral or paste filler with Core Rebuild Material. Place the spiral into the post space and spin the Core Material along the canal walls while removing the spiral.
  7. Coat a fiber post with Core Rebuild Build Material and insert it into the canal with gentle finger pressure, allowing excess core material to vent.
  8. Insert the post into the post space allowing the excess Core Rebuild material to vent. Remove the excess Core Rebuild material.
  9. Core Rebuild material sets within 4 min in the post space. Allow the Core Rebuild material to set before trimming the post. Alternatively, you can light cure the occlusal aspect for 40 sec and then trim the post.
  10. Fabricate your core following the instructions above.

## **NOTE**

- Tip and applicators brushes are for single patient use only. This is to prevent cross-contamination between patients.
- Refer to outer package for expiration date.
- Do not use after expiration date.