

## Dentapreg™ Bridge - Procedures

### Basic Procedures in Short

Creating bridge framework with **Dentapreg™ strip** always includes several basic procedures repeated in all particular clinical situations:

- (A) Clean the bonding surface of abutment teeth
- (B) Maintain dry field during all procedures of placement the bridgework
- (C) Acid etch the bonding surface using common commercial etching gels or liquids
- (D) Apply thin layer of a desired adhesive and cure
- (E) Form and bond **Dentapreg™ Bridge**, cure it
- (F) Finish the bridgework

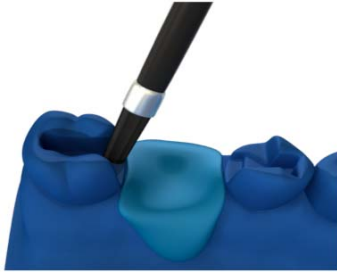
### Detailed Step-by Step Instruction for FPD – Indirect

#### Framework for Indirect, Inlay-Onlay Bridge in the Lateral Area

<b>Office/Clinic</b>	<b>Step 1: Teeth Preparation</b>
 A dental preparation tool with a cylindrical handle and a conical tip is shown in contact with a tooth model. The tooth model is mounted on a red base. Another tooth model is visible to the right.	<ul style="list-style-type: none"><li>• Prepare the surface of abutment teeth in the usual way</li></ul>
<b>Step 2: Make an Impression</b>	
 A green, wavy silicone impression of a tooth arch is shown on a red base. A tooth model is visible to the right.	<ul style="list-style-type: none"><li>• Take a silicon impression of the arch</li></ul>

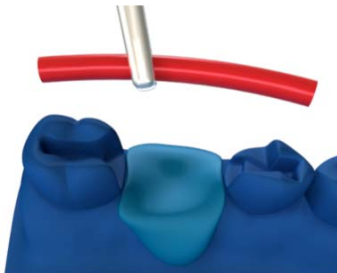
## Laboratory

### Step 1: Make a Dental Stone Model



- Make a dental stone model of the desired portion of the arch
- Isolate the working area of dental stone model

### Step 2: Measure the Length of the Bridge Framework

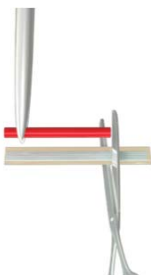


- Use dental floss or wax rope for this measurement
- Measure the required length of the **Dentapreg™** strip. The length of the strip should be slightly longer than the final length of the framework to accommodate for the adaptation

### Step 3: Prepare Dentapreg™ Bridge Strip



- Separate the single strip from the blister breaking the perforated ligament similarly to blister packaged drugs
- Use sharp instrument (scissors, knife, razor blade, scalpel) to open the aluminum foil along three sides
- Remove the strip from the blister, cut the strip with regular scissors and peel back the waxed paper and transparent foil
- Place the trimmed strip into the light save box. This will prevent premature polymerization of the strip.



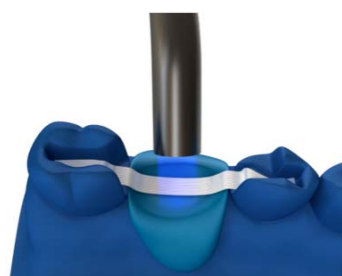


#### Step 4: Form Dentapreg™ Strip into a Bridge Framework



- Peel back the waxed paper and transparent foil
- Place and adapt trimmed strip in the designated area on the model and contour it into shape needed
- Important notice: To ensure the best mechanical function of **Dentapreg™** bridge framework it is necessary to put the strip to tensed area of bridgework. For better forming of the strip it is useful to make a silicon pad covering gingival in the pontic area

#### Step 5: Light Curing

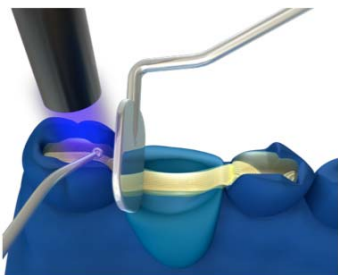
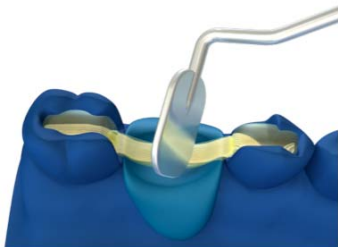
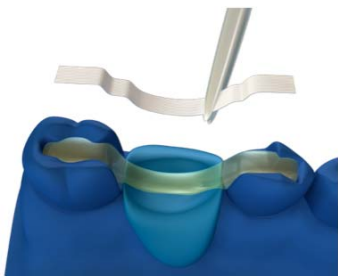


- Light cure each end of the strip. When using common light curing lamp light cure each end for 30 - 40 seconds
- Cure the rest of the strip for min. 30 - 40 seconds

## Step 6: Adaptation of Dentapreg™ Strip



- Apply a thin layer of hybrid/flowable composite<sup>1)</sup> along desired framework area.
- Do not light cure!
- Sink the **Dentapreg™** strip into the layer of hybrid/flowable composite and adapt the contours
- Light cure the hybrid/flowable composite according to manufacturer direction



### Step 7: Build-up the Pontic



- Build-up the pontic using the common light curing C&B composite materials, follow the manufacturer instructions.
- Build up the retainers using light curing C&B composite materials. Follow the manufacturer instructions.
- Remove carefully the cured bridgework from the model.

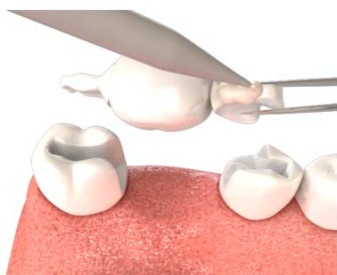
**Office/Clinic**

### Step 1: Prepare the Tooth Surface



- Clean teeth
- Try the bridgework

### Step 2: Cementation



- FPD cementation

### Step 3: Place of FPD



- Place and press carefully framework to the abutments.

### Step 4: Final Adjustment



- Polish the attachments



## General Remarks for Working with Dentapreg™

- Dental stone model is a good training tool for trials of **Dentapreg™**,
- Avoid sharp edges and undercuts on the model,
- Before forming **Dentapreg™** strip on a model, always apply separation liquid or wax,
- Always use the widest clinically acceptable **Dentapreg™** strip,
- During forming and adaptation of the **Dentapreg™** strip advance slowly from one end to the other to allow for a good adaptation of the fibrous reinforcement and small flow of the resin to avoid defects and shape memory effect,
- To minimize potential damage to the fibers, is recommended to use plastic instruments used to work with dental filling composites,
- When preparing the strip (measuring, trimming), keep the strip in it's original transparent protection foil to avoid contamination,
- Avoid sharp edges and extremely small interproximal curvatures when forming **Dentapreg™** strips to prevent fiber breakage,
- Most commercially available light or dual curing dental adhesives can be used to bond **Dentapreg™** strips
- Adhere strictly to the acid etching and adhesive curing procedures recommended by the etching agent and adhesive manufacturers,
- Polishing or sand blasting of cured **Dentapreg™** should be avoided, to enhance patient comfort and maintain good hygienic conditions, a layer of light curing hybrid composite can be deposited on the **Dentapreg™** surface and polished using standard procedures.