Dentapreg™ Bridge - Procedures

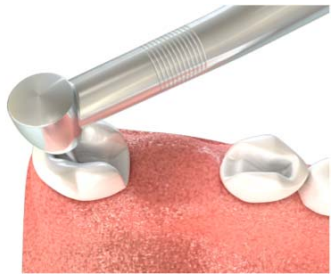
Basic Procedures in Short

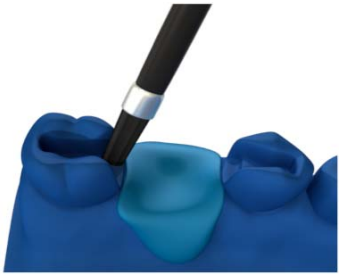
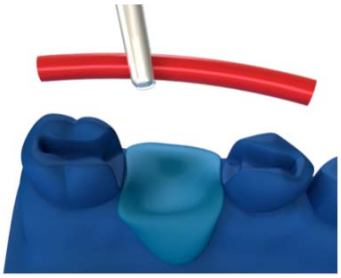
Creating bridge framework with **Dentapreg™ strip** always includes several basic procedures repeated in all particular clinical situations:

(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-Inlay Bridge in the Lateral Area

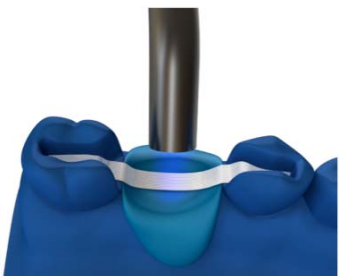
Office/Clinic	**Step 1: Teeth Preparation**
	• Prepare the surface of abutment teeth in the usual way
	Step 2: Make an Impression
	• Take a silicon impression of the arch

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

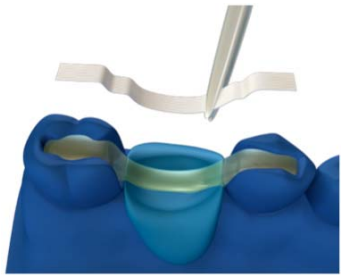
- Peel back the waxed paper and transparent foil
- Place and adapt trimmed strip in the designated area on the model and contour it into shape needed
- Important notice: To ensure the best mechanical function of **Dentapreg™** bridge framework it is necessary to put the strip to tensed area of bridgework.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

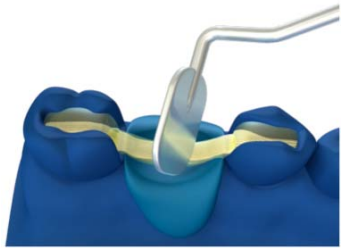
Step 5: Light Curing

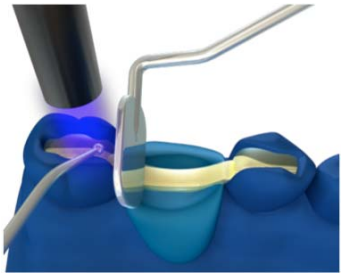


- Light cure each end of the strip. When using common light curing lamp light cure each end for 30 - 40 seconds
- Cure the rest of the strip for min. 90 seconds

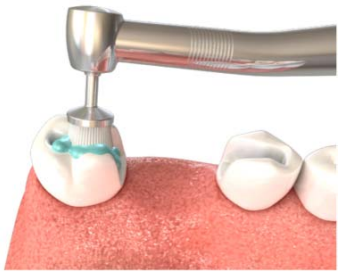
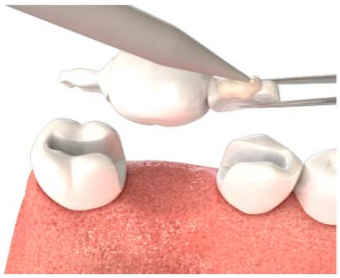
Step 6: Adaptation of Dentapreg™ Strip







- Apply a thin layer of hybrid/flowable composite[1)] 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

<table>
<tr><td colspan="2">Step 3: Place of FPD</td></tr>
<tr><td>  </td><td>• Place and press carefully framework to the abutments.</td></tr>
<tr><td colspan="2">Step 4: Final Adjustment</td></tr>
<tr><td>  </td><td rowspan="3">• Polish the attachments</td></tr>
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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.