

Dentapreg™ Bridge - Procedures


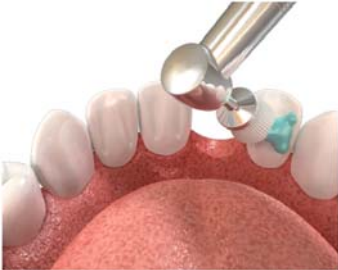
Basic Procedures in Short

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 – Direct

Framework for Direct, Intraorally Formed Maryland Bridge in the Frontal Area

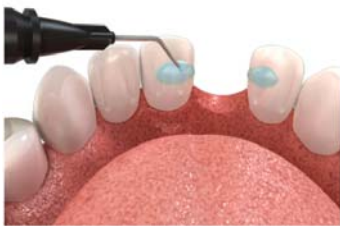
Office/Clinic	Step 1: Prepare Teeth
	<ul style="list-style-type: none">• Clean teeth• Assure dry field (rubber dam)
	

Step 2: Measure the Length of Dentapreg™ Bridge



- 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: Apply Adhesive and Flow



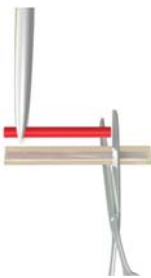
- Place the wax or wedges in the interproximal spaces to keep good spatial and hygienic conditions
- Etch the bonding surfaces
- Apply consecutive coat(s) of adhesive to the abutments surfaces. Follow the adhesive manufacturer instructions
- Apply a thin layer of hybrid/flowable composite¹⁾ along desired retention area
- Do not light cure!



Step 4: 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.

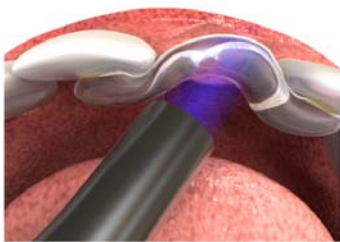


Step 5: Adaptation of Dentapreg™ Strip



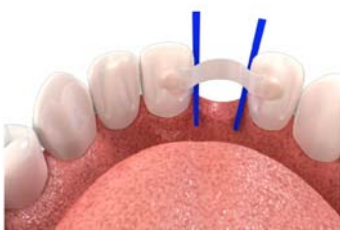
- Gently press Dentapreg™ Bridge strip on the bonding places against abutment teeth

Step 6: Light Curing

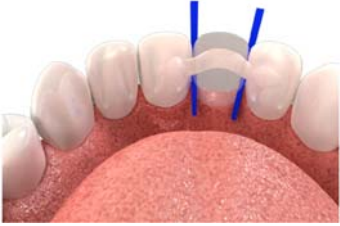



- Light cure the framework. When using common light curing lamp light cure each tooth for 30 - 40 seconds

Step 7: Build-up the Pontic



- Build – up composite pontic
- Light cure the whole composite pontic

	
<p>Step 8: Final Adjustment</p>	
	<ul style="list-style-type: none"> • Check interproximal spaces • Final polishing of outer layer may be performed with composite polishing burs, points or wheels. This step will ensure patient's comfort as well as esthetics and oral hygiene

¹⁾ Hybrid composite is stiffer but less easy to form (convenient for posterior and anterior oral splints), flowable composite is less stiff but easy to form (convenient for anterior vestibular splints).

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.