

PURPOSE & DEFINITION

Purpose: To show the steps involved in using the Invisalign Pontic Kit to fabricate quick and reliable dental pontics for Invisalign aligners. Properly fabricated pontics are strong, flexible and highly esthetic. Align does not put the tooth colored material into the pontic space.

Align technicians will create Virtual Pontics automatically in the ClinCheck set up to make space during aligner fabrication for all extractions except molars. Virtual Pontics must be requested in Special Instructions section of the treatment form for the following applications:

- Space holder
- Increasing Space (e.g. creating implant/bridge space)
- Molar extractions

Materials Required:

Patient's aligners with pontic space (see requirements above defining how this space is requested)

Adhesive and microbrush

PVS resin and dispensing gun

Goal: Camouflage unsightly spaces during aligner therapy



Without pontic and aligner



With pontic and aligner

PROCEDURE

Step 1: Apply adhesive (tinted yellow) with microbrush to aligner, let air dry 60 sec (Fig 1). Adhesion of PVS to aligner is possible only once.



Fig 1.

Step 2: Apply PVS material from bottom up (no bubbles), fill buccal/facial and 1/2 occlusal as needed (Fig 2). Once applied, you can shape with spatula if needed (Fig 3). PVS has working time of 70 seconds at 72 degrees.



Fig 2.

Step 3: Allow PVS to set for 5 min before trimming.



Fig 3.

Step 4: Using a scalpel, carefully trim excess material from the mesial and distal surfaces (Fig 4).



Fig 4.

Tips on Fabricating Pontics

1. When first getting started, fabricate Pontics one at a time. This means using one mixing tip per pontic. Once you become proficient, you can make several at once using a single mixing tip.
2. Typically it is not necessary to fill an entire tooth space with pontic material. A thin film about 2mm in thickness applied to the facial or buccal surface will provide the necessary cosmetic benefit.
3. After dispensing the pontic material, allow it to set for at least five minutes before handling. During this time do not touch the pontic or bend/twist the aligner.
4. If you're fabricating pontics for several aligners, it is recommended that you have the patient wear the first aligner to confirm that there is proper fit and no gingival impingement. If an aligner does not fit properly, simply trim the pontic using a scalpel or sharp utility knife.