Your source for clear aligner impressions
A much easier technique. An accurate impression. A better-fitting aligner.

If you’re among the growing number of dentists worldwide prescribing clear aligners (i.e., Invisalign® from Align Technology, Inc.) to straighten teeth, here’s something you’ll want to know. 3M ESPE, the worldwide leader in impressioning solutions, has developed products and simplified procedures that will help you achieve the best results.

Your initial impression is critical, because:

- a technician uses it to create a highly precise 3D digital impression that becomes the basis for your entire orthodontic treatment plan;
- the digital impression is used to custom-make a series of clear “aligners” designed to move the patient’s teeth incrementally, according to your prescribed plan.

Imprint™ 3 VPS Impression Materials provide accurate detail for a more effective treatment.

The aligner treatment plan can only be as accurate as your impression. The performance and detail reproduction of Imprint 3 VPS materials from 3M ESPE help you:

- get an accurate impression on the first take, reducing the chance of costly retakes
- capture the specific details needed to produce better-fitting aligners for more comfortable and effective treatment
- standardize your inventory – the same Imprint 3 VPS materials you use for the aligner technique can also be used for crowns and bridges

Capture all teeth within the treatment plan with the Modified 1-Step Technique

The Modified 1-Step Technique illustrated on the following page makes it possible for you to get the detail you need for clear aligner impressions WITHOUT having to syringe wash material around all teeth. Because it’s a simpler, faster technique, there’s no need to worry that the impression material will set up before you are ready.

Use Imprint 3 VPS materials with confidence in other clear aligner impression techniques, including:

- Monophase Technique
- Putty/Wash Technique
Recommended technique and materials

For best results in clear aligner impression taking, 3M ESPE recommends using this simple Modified 1-Step Technique along with Imprint 3 VPS Impression Materials.

**Common causes for retakes**

- **Not capturing the distal of terminal molars.** This is a common error. Prevent this by overflowing both ends of the tray. Seat impression tray evenly and avoid pulling tray forward.

- **Relining impressions.** Do not reline impressions. It causes voids and wrinkles from tray shifting during seating or during material set. The relined portion may appear as a void with CT Scanning, so the impression may be returned for a retake.

**Recommended technique and materials**

- **Use a REGULAR setting VPS material to ensure you have enough working time.** 3M ESPE recommends Imprint™ 3 HB tray material with Imprint 3 RB wash material.
- **Use a full arch tray, and apply adhesive if required.** Try in tray to ensure tray reaches distal of terminal molars.

**WASH MATERIAL LOADING**

- **Using a mix tip without an intraoral tip attached, dispense enough Imprint 3 RB wash material on the top of the unset Imprint 3 HB tray material to cover the occlusal surface of the entire arch.** Two beads of regular body material is usually sufficient.
- **Keep mix tip submerged in the Imprint 3 RB wash material to avoid trapping air bubbles.**
- **Avoid penetrating the unset HB tray material while syringing the wash material.**

**TRAY INSERTION**

- **Insert tray straight and evenly into mouth.**
- **Avoid rotation.**

**TRAY LOADING – Penta™ or cartridge delivery**

- **Load the material using the proper bleeding technique.**
- **Dispense Imprint 3 HB material into tray, filling it to the height of the tray.**
- **Make sure the material around the arch is heavily loaded. Overflow both ends of tray to capture the distal of terminal molars.**
- **Keep mix tip submerged in HB material to avoid air bubbles.**

**TRAY IMMOBILIZATION & REMOVAL**

- **Do not allow patient to bite down on tray.** Immobilize the tray using passive pressure. **Use a timer,** and follow recommended setting time in mouth.
- **Remove tray from mouth then rinse, dry and disinfect impression before shipping.**

**BITES REGISTRATION**

- **Apply a layer of 3M™ ESPE™ Imprint Bite Material with a thickness of approximately 5mm occlusal-incisally to the entire lower arch.**
- **Have patient close mouth (final occlusion).**
- **Disinfect prior to shipping.**

Providing adequate detail of terminal molars is critical for clear aligner production.
Products designed for the way you like to work …

Imprint™ 3 VPS Impression Materials are designed to increase your potential of getting an accurate impression the first time. Choose from a wide range of viscosities and set/working times — in both cartridge and Penta™ deliveries.

More proven solutions brought to you by 3M ESPE, the worldwide leader in impression materials.

Ordering Information

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<th>Item #</th>
<th>Product Information</th>
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Make Better Impressions

Even the most experienced practitioner, using the best materials, can encounter difficulties when making an impression. 3M ESPE has taken its long history in developing and testing impression materials, and assembled the Making Better Impressions Troubleshooting Guide. It identifies common impression problems and offers solutions. To get your FREE copy, download it now from our website — or call Customer Care at 1-800-634-2249, ext. 1.