

USEAGE INSTRUCTIONS for Perfect Fit™ 02/11/2023

Perfect Fit™ is a NON-PHTHALATE and FDA COMPLIANT FUNCTIONAL DENTAL IMPRESSION MATERIAL that FLOWS INTO and FULLY FILLS the FINEST PINHOLES

MIXING Perfect Fit™

1. Mix the Perfect Fit™ polymer powder and the Perfect Fit™ solution in the Simax mixing Griffen beaker provided at a ratio of 1.5 parts Perfect Fit™ polymer powder to 1 part Perfect Fit™ solution. When reacted this will produce Perfect Fit™ functional dental impression material that flows. Do **NOT** use a plastic cup for mixing. Two 5 mL borosilicate glass vials with caps are provided for measuring, one for Perfect Fit™ solution and the other for Perfect Fit™ polymer powder.
2. Quickly mix the two components for 5 seconds using a small spatula. Cover the mixing container with a glass slab or watch glass and allow the mixture to stand covered for 5-7 minutes at room temperature. **Continuous spatulation is not recommended.**
3. After 5-7 minutes has elapsed, uncover the mixture and check the consistency. The material will be very soft and somewhat runny, but not excessively so. Place the denture in the jig and then add the Perfect Fit™ into the jig and immerse in warm soapy water for another 5-10 minutes. If a slightly heavier consistency is desired, allow the material to chemically react longer. It is recommended to start with a 1.5 :1 by volume mix of Perfect Fit™ polymer powder to Perfect Fit™ solution and allow that mix to stand covered for 5-7 minutes before application. This will allow for a good combination of tissue conditioning and flowability for the functional impression. However, a Perfect Fit™ polymer powder-solution ratio of up to 2.25 parts Perfect Fit™ polymer powder to 1 part Perfect Fit™ solution may be used if a slightly heavier body is desired for mandibular dentures, free-end saddle partials and adding to denture borders.
4. Prior to the patient leaving with the Perfect Fit™ denture, they should be instructed to clean the Perfect Fit™ denture twice a day with mild soap and water.

FOLLOW-UP VISITS

1. Remove the dentures from the patient's mouth and rinse them under running water. Examine the tissue surfaces of the dentures for border over extensions, border under extensions and tissue impingements.

Border over extensions and tissue impingements are visible as hard denture base material showing through the white Perfect Fit™ resin. These are relieved using an acrylic bur and repaired using freshly mixed Perfect Fit™ applied to the defect.

Border under extensions are visible as unsupported areas of tissue treatment material greater than 3-4 mm in length. These areas must be backed up using auto-polymerizing acrylic resin to provide support. To help maintain the surface, a drop of Perfect Fit™ solution can be applied over the patched areas using a brush or gloved finger.

2. An occlusal evaluation should be performed at every follow up appointment. Perfect Fit™ reacted mixture stabilizes the denture making occlusal evaluations easier.

3. The consistency and color of the patient's denture bearing tissue should be monitored at each appointment. For patients with extremely inflamed tissue, the Perfect Fit™ material may need to be changed as healing takes place.

4. Schedule an additional follow up visit 24-48 hours from the initial follow up visit. At the second and subsequent follow up visits, repeat the evaluation of the impression surface, oral tissue and occlusal relationships. Once all 3 areas are satisfactory to both the patient and dentist, the denture may be sent to a laboratory for reline or rebase. The final impression should be boxed in plaster and the model poured into a type III stone as soon as possible after removal from the mouth to preserve accuracy.

DIRECT PLACEMENT

1. Thoroughly wash and dry the tissue surface of the denture.

2. Using an acrylic bur in a handpiece, lightly relieve any gross undercuts. Relieve the borders of the denture 1-3 mm.

3. Due to the very sticky nature of the material, lubricate areas with petroleum jelly that are not to be covered with the Perfect Fit™ material.

4. Working with the maxillary denture first, mix the Perfect Fit™ (as described in **MIXING Perfect Fit™** above) and place into a mono-jet syringe. Then place in warm water for 5 minutes. Place a bead of mixed Perfect Fit™ material into the residual ridge area of the denture. Using a spatula spread the material onto the palate and labial flange areas of the denture. Carefully insert the denture into the patient's mouth and have the patient very gently close the patient's mouth against the opposing denture into the maximum intercuspation. Have the patient maintain this position for 5-10 minutes. The Perfect Fit™ should not be runny when you put the denture in the patient's mouth. If the Perfect Fit™ is runny, allow it to chemically react longer. If this does not work add additional Perfect Fit™ polymer powder and mix well.

5. Remove the denture from the patient's mouth and trim excess material using a scalpel or electric trimmer. Replace the maxillary denture in the patient's mouth and repeat the procedure with the mandibular denture.

6. Once both dentures have been lined and placed into the patient's mouth, occlusal relationship of the dentures should be checked in centric relation. Replace the dentures in the patient's mouth and invite the patient to converse with a member of the staff or read aloud for 2-3 minutes. Aggressive occlusal adjustment should be delayed until the material has flowed to functional borders to stabilize the dentures (usually the first follow up visit). It is recommended that an occlusal indicator wax be used to check occlusal relationships.

PROCESSING the COMPLETED IMPRESSION

The final impression may be processed into hard acrylic either by reline or rebase. In either case, a precision processing method should be employed to preserve the accuracy of the impression.

DISINFECTION

The finished impression should be disinfected using a water-based hospital level disinfectant in accordance with local, state, and federal recommendations and regulations.

MAINTANCE

After 1 day in the mouth, Perfect Fit™ material treated dentures can be cleaned by gentle brushing with a soft bristle brush and clear water. Advise the patient not to use commercially available chemical cleansers and not to immerse denture(s) in cleaning solutions. Further advise the patient to remove the denture and clean the surface of Perfect Fit™ with mild soap and water twice a day.

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