



Professional Resources

Implant Dentistry Techniques

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As appeared in *Dental Products Report*



Figure 1.

The Perfectim Implant Impression System (Figure 1) contains materials that are specifically designed to address the special needs associated with replicating intraoral conditions around implant abutments. The material is formulated to help ensure a passive framework and provide a dimensionally accurate reproduction of the relationship of implants to each other. The Perfectim System reportedly creates an excellent, unstressed fit, and it increases the speed at which implant impressions can be taken.

One of the notable features of the system is the unusual control afforded in influencing the flow of the impression material. Because it is static when placed on tissue or in a tray, the material only flows when pressure is applied. Thus, the usual dripping, sagging, slumping and gagging associated with traditional impression material is eliminated.

Included in the impression system is Preliminary Phase implant impression material that attains a high durometer of 90. Formulated to virtually eliminate post-cure shrinkage, the material can be stacked without slumping, and buildup can be accomplished without gagging.

Described as exceptionally useful in locating and rigidly holding the copings for the laboratory, the Preliminary Phase material eliminates the need to use luting materials to join the copings. A Secondary Wash material is implemented for highlighting tissue details and the relationship of the implants to the tissue itself.

Following are instructions for the step-by-step open-tray transfer procedure for use in fabricating the Tissue Mimic laboratory model aid. The model allows the technician to inspect the marginal relationship of the restoration to the tissue in the implant abutment prosthesis. **1.** Remove the healing abutments, making certain that the sites are dry and free of tissue (**Figure 2**).

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Figure 2.

2. Seat and tighten the impression copings (**Figure 3**).



Figure 3.

3. Try in the custom impression tray with an open top above the transfer copings (**Figures 4 & 5**).



Figure 4.



Figure 5.

4. Syringe the Preliminary Phase material around the transfer copings and allow to cure (**Figure 6**).
Note: To prevent the material from flowing to the lingual side, place a piece of pink wax on the lingual aspect of each coping.



Figure 6.



Figure 7.

6. Load the tray with the Secondary Wash material and seat the tray, allowing material to flow around the set Preliminary Phase impression material (**Figure 8**). Note: Make sure the Secondary Wash material does not cover the screws.



Figure 8.

7. Allow to cure.

8. Unscrew the impression (**Figure 9**), remove it, place analogs (**Figure 10**), and send the impression to the laboratory for fabrication of the Tissue Mimic model (**Figure 11**).



Figure 9.



Figure 10.



Figure 11.

More information on the Perfectim Implant Impression System can be obtained by calling 800-818-7788 for technical information or 800-752-9720 for ordering information.

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