

## Instructions for Use

Please read these instructions carefully before using PerfectIM Putty.

### Specifications

Materials conform to ADA Spec. 19 and ISO Spec. 4823-1992

Caution: US Federal Law restricts this material to sale by or on the order of a dentist.

Mix Ratio	1 part base to 1 part catalyst, weight or volume
Chemistry	Vinyl Polysiloxane (vinyl addition system)
Mix Time	45 seconds
Work Time	2 minutes, including mix time
Set Time	4 minutes from start of mix
Durometer	50 Shore A
Dimensional Change	less than .04% negative change
Permanent Deformation	less than .17%
Shelf Life	2 years at 73°F (23°C)
Water Absorption	nil after 60 minute immersion

### Mixing Instructions

1. Using the scoops provided, dispense equal amounts of Base and Catalyst putty onto a mixing pad. (White scoop for Catalyst, blue scoop for Base.)
2. Hand knead the two putty components together until a uniform color is obtained. Mixing time should not exceed 45 seconds.
3. Place the mixed putty into a pre-selected tray. Trays that are unperforated should be coated with a vinyl adhesive.
4. Seat the putty filled tray into position in the mouth and allow to cure. Setting time is 4 minutes from the beginning of the mix.
5. In a two step technique (putty/wash), relief must be created for the wash material to prevent distortion of the final impression. This can be accomplished by:
  - a.) relieving the set putty impression with a sharp instrument or vulcanite bur, **or**
  - b.) by using a thin polyethylene spacer over the teeth prior to inserting the putty. In addition, a rocking motion when inserting the putty will exaggerate the space created.
6. When set, remove the putty impression and remove any interproximal material that may break off when the final impression is taken.

### Putty/Wash Technique (2 Step)

1. Select the tray for the impression and brush on a thin layer of a vinyl adhesive. Allow to air dry for 4 minutes.
2. Dispense equal portions of PerfectIM Putty Base and Catalyst and mix by hand kneading until the color is homogenous.
3. Load the tray and insert into position in the mouth.
4. When set, remove the impression, making certain there is adequate relief.
5. Using a wash material, such as PerfectIM System Final Wash or Flexi-Velvet, place mixed material over the prepared tooth and into the tray. Reseat the tray as firmly as desired, but allow the cure to take place in a passive mode, to prevent permanent distortion of the final impression.
6. When set, remove the impression without any rocking motion.
7. After gently rinsing with water, examine the set impression for detail. If acceptable, impression should be disinfected in any acceptable hospital level disinfectant.
8. Models can be poured after the impression is disinfected in either dental stone or epoxy resin.

### Caution

Allow PerfectIM Putty to come to room temperature before use. This should be 73°F (23°C). Latex gloves are not compatible with vinyl impression materials. Overgloves of polyethylene can be used to avoid touching the putty during kneading and tray loading.

### Note

Do not contaminate the Base and Catalyst putty by interchanging scoops or jar covers. The speed of reaction (work/set time) is calibrated for 73°F (23°C). Higher temperatures shorten those times and lower temperatures lengthen them. Do not attempt to alter the 1:1 ratio of the Base and Catalyst components to adjust working time.