Dentsulate®
Insulating Putty

DIRECTIONS FOR USE
Indications for use:
DENTSPLY Dentsulate® Insulating Putty is designed to prevent adherence of gypsum investment materials to plastic and porcelain teeth and acrylic denture base. Dentsulate will provide well-finished gingival and interproximal areas. It provides protection to both porcelain and plastic teeth. Additionally, it is compatible with the Success® Injection System and conventional compression pack denture systems. Dentsulate Insulating Putty saves time in finishing and polishing and reduces risk of tooth fracture during deflasking.

Precautions:
1. The use of commercial wax solvents is not recommended or necessary with this material.

Step-by-Step Instructions

Dentsulate is a silicone insulating putty.

1. Invest the complete wax-up in the lower half of the flask as usual.
2. Dispense equal amounts of catalyst and base onto a mixing medium (see Fig. #1).
3. Spatulate Dentsulate Insulating Putty until a uniform yellow color is achieved (see Fig. #2).
4. Apply mixed material with a spatula or wipe on with finger. DO NOT cover the occlusal surface of teeth with Dentsulate.
Dentsulate Insulating Putty should be applied 1-2 mm in thickness, covering the sprue areas if injection processing (see Fig. #3 and #4).

5. Induce undercut tabs 6-7 minutes after the initial mixing of the Dentsulate. The tabs will help lock the material into the stone. Use a wax-knife or finger to carefully form undercut tabs on the entire surface of the putty. Gauze strips or walnut shells can be added to the putty to help aid in the retention (see Fig. #5).

6. When the material is completely set at 12 minutes, the upper half of the denture flask is ready to be poured. However, the stone does not have to be poured immediately after the Dentsulate is applied (see Fig. #6).
Suggested Wax Elimination Procedure:
1. Place the flask in boiling water for 4-7 minutes. Heat penetration of the investment needs only to soften the wax and baseplate for removal.
2. Flush mold, teeth, cast, etc. with CLEAN boiling water to remove remaining wax.
3. Gently scrub mold, teeth and cast with soft brush and powdered detergent. Flush again with ABSOLUTELY CLEAN boiling water to assure complete wax and detergent removal.
4. Apply Alcote® Separating Agent to the cast and any investment not covered with Dentsulate Insulating Putty. Allow to cool. Flask is ready for packing or injection.

Tips on Usage:
1. 3” = 1 denture (see scale below)
2. Do not spread Dentsulate in areas that will come in contact with Luci-Sof™ Soft Denture Liner or other soft denture liners. Dentsulate will bond to these materials.
3. Mixing utensils and other surfaces can be easily cleaned by allowing materials to set, then simply peeling off residual material.
4. Store and use Dentsulate Insulating Putty between 65°F-80°F (18°C-27°C) and in an area with relative humidity between 30% and 70%.
5. Do not mechanically mix or vibrate.

Specifications:
1. Mixing ratio:
   1 part Dentsulate Catalyst/
   1 part Dentsulate Base
2. Mixing Time:
   30 seconds or until homogenous color achieved
3. Induce Tabs:
   6-7 minutes after mix
4. Set Time: 12 minutes