

DENTSPLY
TRUBYTE

TruTone[®]

Denture Base Resin

DIRECTIONS FOR USE

CE
Rx only

Indications for Use: TRUTONE Denture Base Resin is indicated for the fabrication of prosthodontic appliances, especially when a long working time and quick cure time are required.

Contraindications:

1. TRUTONE Denture Base Resin is contraindicated for patients and users with a history of allergic reaction to methyl methacrylate monomer.

Warnings:

1. TRUTONE Denture Base Resin contains polymerizable monomers which may cause skin sensitization (allergic contact dermatitis) or other allergic reactions in susceptible persons. Wash thoroughly with soap and water after contact. If skin sensitization occurs, discontinue use. If dermatitis or other symp-

- toms persist, seek medical advice.
2. Avoid inhalation or ingestion. High vapor concentration can induce headache, nausea, and irritation of eyes and respiratory system. Liquid contact with eyes may cause possible corneal damage. Excessive long-term exposure may be associated with other more serious health effects. Monitor air quality per OSHA standards.

Inhalation: Move subject to fresh air. Give oxygen or artificial respiration as required.

Ingestion: Contact your regional Poison Control Center immediately.

Eye Contact: Flush eyes promptly with copious amounts of water for 15 minutes, and consult a physician. Wash skin with soap and water.

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Precautions:

1. Users with special skin problems, cuts, or abrasions should wear protective gloves.
2. When grinding prosthodontic resins, proper ventilation, masks, and vacuum systems should be used.
3. Store at 60°-80°F, away from moisture and direct sunlight. The liquid contains unsaturated monomers which may polymerize prematurely if stored at excessively high temperature and/or in sunlight. The powder contains an organic polymerization initiator which may degrade if stored at excessively high temperature.
4. TRUTONE Liquid and TRUTONE uncured resin are hazardous materials. Dispose of in accordance with Federal, State, and local regulations.
5. TRUTONE Liquid contains methyl methacrylate monomer, a flammable liquid with a flash point of 10°C (50°F). Keep away from heat, sparks, and open flame.
6. Use liquid in a well ventilated area. Replace cap when not in use.
7. Do not pack denture resin after work time has elapsed or material has become rubbery.
8. Use of wax solvents is not recommended. Residual solvent may cause poor bonding of teeth to acrylic base.

Adverse Reactions:

1. Corneal damage, headache, nausea, and vomiting may occur with exposure to methyl methacrylate monomer. (See Warnings and Precautions statements.)
2. Allergic contact dermatitis and other allergic reactions may occur in susceptible individuals. Residual monomer in fully cured materials can be minimized by soaking the cured prosthesis in warm water for several days.
3. Particulates will be generated when grinding acrylic resins. Eye, skin and respiratory irritation may occur if appropriate engineering controls are not used.

GENERAL INFORMATION

Type and Class (per ADA Spec. 12)	Type 1, Class 1
Storage Temperature for Powder and Liquid	60°-80°F
Powder/Liquid Ratio	34 ml (21g): 9 ml
Mixing Time (Time to wet all particles)	30 seconds
Time to Reach Packing Plasticity @ 73° ± 2°F	5-10 minutes
Working Time @ 73° ± 2°F	Approx. 1 Hour
Recommended Mold Materials	Castone® Dental Stone
Temperature of Mold When Packing	Room Temperature to approx. 110°F
Recommended Curing Schedules (after packing flask)	
Method 1 - Bench set in press 20 minutes. Cure in boiling water 20 minutes.	
Method 2 - Place flask in 163°F ±2°F (74°C) water for 1½ hours, then boil for ½ hour.	
Method 3 - Place flask in 163°F ±2°F (74°C) water for 5 hours (or overnight)	
Flask Cooling Method (after curing)	
Bench cool in press 20 minutes, then submerge in cool water 20 minutes.	

STEP BY STEP INSTRUCTIONS

Preparation

Complete tooth arrangement and wax contouring using normally accepted techniques. Investing and wax elimination procedures should also conform to accepted compression molding procedures.

Immediately following wax elimination (boil-out), apply a high grade separator, such as Al-Cote® Separator to all exposed gypsum mold and cast surfaces while still hot.

Resin Mixing

To assure color uniformity, shake powder jar with a rocking motion to disperse fibers and prevent concentration of small particles at bottom of jar. Mix 34 ml (21g) TruTone powder with 9 ml TruTone liquid for an average size denture. For larger dentures add an additional half unit (17 ml [10.5 g]) powder to 4.5 ml liquid.

Handling Instructions:

Spatulate powder and liquid thoroughly for approximately 30 seconds. Avoid whipping air into mixture.

Bench set mixture in a closed jar until ready to pack. Dough does not develop a "snap" consistency. Material is ready for packing when dough is soft to the touch (approximately 5 to 10 minutes) after mixing.

Packing

TruTone resin may be packed into a flask at room temperature and up to

approximately 110°F. Trial packing is recommended, according to generally accepted procedures. Use a plastic or polyethylene sheet for trial packing.

Work Time

The work time of TruTone Denture Base Resin is approximately 60 minutes in room temperature of 73°F ± 2°F. The unused dough will remain "packing-soft" overnight if sealed in a closed jar and refrigerated.

Curing Schedules (after packing the flask):

Method 1 - Bench set the flask in the press for 20 minutes. Cure for 20 minutes in boiling water.

Method 2 - Place flask in 163°F ± 2° water 1½ hours, then boil for ½ hour.

Method 3 - Place in 163°F ± 2° water for five hours (or overnight).

Flask Cooling Method (after curing):

Bench cool 20 minutes, then submerge in cool water for 20 minutes. Deflask with procedures recommended by flask manufacturers.

Repairs

TruTone acrylic resin may be repaired by conventional repair techniques. A suggested technique is with DENTSPLY® Repair Material used according to directions.