

Sondhi™ Rapid-Set Indirect Bonding Adhesive

Instructions For Use



Warning: Acrylate monomers are known to produce allergic skin reactions in certain sensitive individuals. May cause eye and skin irritation.

Precautions: Avoid eye and skin contact. Wear gloves when handling this material.

First aid: Eye contact: Immediately flush with plenty of water. See a physician if irritation persists.

Skin contact: Wash affected area with soap and water. See a physician if irritation persists.

Precaution: Care must be taken when bonding to porcelain crowns or facings as debonding may cause chipping, delamination or breakage of the crown.

Do not bond to porcelain crowns that have thin facings or that appear to be compromised. Prepare the porcelain crown to be bonded by using a porcelain primer such as 3M's Scotchbond™ Ceramic Primer. Follow instructions included with the porcelain primer.

Indications For Use: Sondhi™ Rapid-Set Indirect Bonding Adhesive is indicated for indirect bonding only. The quick set time of the adhesive does not allow sufficient time for standard direct bonding techniques.

Indirect Tray Preparation:

Follow your current laboratory procedure for preparing a stone model, positioning and bonding brackets onto the model, forming a custom resin base and preparing the indirect tray.

Note: Indirect Bonding Using APC™ PLUS

- Because of the hydrophilic nature of the APC PLUS adhesive, best results in indirect bonding will be achieved when the stone model is thoroughly dried before placing the APC PLUS brackets. After pouring the ortho stone into the impression, the stone model should be dried overnight in an oven at 110°F (43°C) or under ambient conditions.
- After removing the indirect bonding tray from the stone model, rinsing and drying, you may observe a cloudy white layer on the custom resin base. This white color is caused by a very thin surface layer of APC PLUS adhesive resin. Subsequent microetching or cleaning (e.g. using a toothbrush) of the custom resin base will ensure adequate bond strength.
- It is strongly recommended that a secondary cure of the custom resin bases be performed by directly exposing the tray to a light source to achieve a complete cure.

Tooth Preparation

- Prophy teeth with an oil-free pumice or paste. Rinse with water. (Figure 1) Isolate teeth with cotton rolls. (Figure 2)
- Air dry thoroughly using oil and moisture-free air source. (Figure 2)

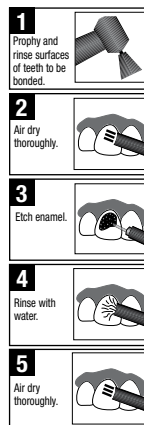
Acid Etching

- Apply Unitek™ Etching Gel (REF 712-039) to teeth surfaces following the instructions provided with the etching gel delivery system. If using other gel etching systems, consult the manufacturer's instructions for proper technique and recommended etching times. (Figure 3)
- Rinse with water. (Figure 4)
- Air dry thoroughly. (Figure 5)

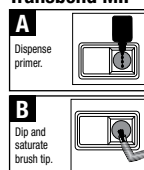
Adhesive Bonding

Optional: If using Transbond™ MIP Moisture Insensitive Primer, include the following steps.

- Dispense three drops of Transbond MIP primer in well. (Figure A)
- Dip and completely saturate brush tip. (Figure B)



Optional Transbond MIP



- Apply one liberal coat of Transbond MIP primer, covering entire etched surface of tooth. Avoid touching the gingival area. (Figure C)
- Re-dip brush in primer for each tooth to be primed. (Figure B)
- Gently blow air on each tooth for 2-5 seconds, aiming the air stream perpendicular to the labial surface of the tooth. (Figure D)

Note: If the application of Resin A is delayed and moisture contamination occurs after the application of primer to the tooth surface, apply one more fresh coat of primer over the contaminated area, blow air for 2-5 seconds and start the bonding procedure immediately.

- Dispense 2 to 3 drops of Resin A into one side of the mixing well and 2 to 3 drops of Resin B into the other side of the mixing well. Care should be taken not to mix the two liquids together. (Figure 6)
- Apply a **thin coat** of Resin A to each tooth surface where the bracket will be placed. Use a brush insert with the **white applicator handle.** (Figure 7)
- Apply a **thin coat** of Resin B to each custom resin base in the transfer tray. Use a brush insert with the **orange applicator handle.** (Figure 8)

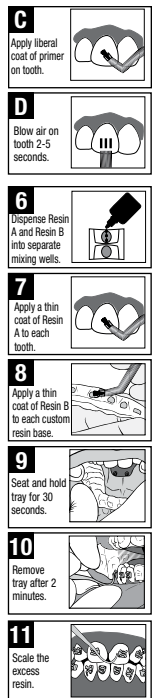
Note: Only a small amount of Resin A and Resin B is sufficient for successful bonding. Excess resin can be scaled off from around the brackets after removing the trays.

Caution: Do not allow Resin A and Resin B to make contact until ready to seat the indirect tray in the patient's mouth. In order to reduce clean-up issues apply a **very thin** layer of Resin B to the bracket bases.

- The tray is then seated and held in place for 30 seconds. (Figure 9)
- The tray can be removed in two minutes. Remove the tray using a scaler to peel the tray from the lingual to buccal. Use extreme care when removing the tray from around the bracket wings and hooks. (Figure 10)
- Scale the excess resin from around the brackets and from the interproximal contacts. Use dental floss to check that all contacts are open.** (Figure 11)
- Archwires can be immediately tied in.

Storage and Use

- Refrigerate when not in use.**
- Do not expose materials to elevated temperatures or intense light. Bring to room temperature prior to use.
- This system is designed to be used at room temperature (68°F-77°F, 20°C-25°C). Storage between 2°C-7°C/35°F-45°F.
- Shelf-life at room temperature is per the expiration date on the kit box. Rotate inventory to optimize shelf life.



3M

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