

Transbond™ LR

Light Cure Adhesive in Capsules for Bonded Lingual Retainers

Instructions For Use



Warning: Transbond™ LR Light Cure Adhesive contains acrylate monomers which are known to produce allergic skin reactions in certain sensitive individuals. May cause eye and skin irritation.

Important: All resin-based primers that penetrate into the enamel rods may under certain conditions temporarily alter the appearance of the enamel. It does not discolor the enamel; rather it creates a contrast to the chalky appearance of the surrounding enamel.

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.

Caution: Follow manufacturer's directions on the handling, proper use, and recommendations for eye protection, when using a visible light curing unit.

Indications For Use: Transbond LR light cure adhesive in capsules is specifically designed for bonded lingual retainers. Transbond LR is not indicated for bonding of brackets because bracket drift or skating may occur.

Direct Technique for Bonding a Lower 3-3 Lingual Retainer

Tip – If you are concerned about serious lower incisor rotation, the lingual retainer may be placed before the total removal of the lower incisor brackets. Otherwise the application of the bonded lingual retainers can be accomplished following the debonding procedure.

Tooth Preparation Adapt the wire of your choice to the lingual 3-3 surfaces and set aside.

Acid Etching

1. If using Transbond™ Plus Self Etching Primer, proceed to Option 3: Priming Surfaces with Transbond Plus self etching primer steps below. Otherwise, continue with prophy.
2. Prophy teeth with an oil-free pumice or paste. (Figure 1) Rinse with water. (Figure 2)
3. Isolate for etching the lower 3-3 area by using long cotton rolls both buccal and lingual to the 3-3 area.
4. Apply Unitek™ Etching Gel (REF 712-039 or 712-044) to lingual teeth surfaces following the instructions. Rinse thoroughly to insure total removal of etchant, re-isolate using new cotton rolls. Cheek retractors are usually not required for the lower arch. (Figure 3)
5. Rinse with water. (Figure 4)



Priming Teeth

Option 1: Priming Surfaces with Transbond™ XT Primer

For detailed instructions on Transbond XT primer, please refer to REF 011-519.

Option 2: Priming Surfaces with Transbond™ MIP Moisture Insensitive Primer

For detailed instructions on Transbond MIP moisture insensitive primer, please refer to REF 011-563.

Option 3: Priming Surfaces with Transbond™ Plus self etching primer

For detailed instructions on Transbond Plus self etching primer, please refer to REF 011-581.

Lingual Retainer Bonding

1. To insert capsule into dispenser, open dispenser handle as wide as possible. Pull plunger toward opened handle. Place capsule tip into the barrel slot. (Figure 5)
2. Seat the capsule in the barrel by pushing the capsule forward (away from the handle) as far as possible. (Figure 6) Push plunger towards capsule. Remove the cap from the capsule.



3. Place floss threaders from the lingual through to the buccal in the interproximal between the laterals and the cuspids. Leave a slight "loop" on the lingual through which you will place the lingual wire. (Figure 7)



Place preformed retainer wire in desired position.

Wire can be held in place with a loop of floss placed in the interproximal between the laterals and the cuspids.

4. Pull the floss threader end so as to tighten the lingual wire against the lingual surfaces of the lower incisors and cuspids.

You may dispense adhesive from capsule directly onto tooth or transfer adhesive from mixing pad. When completed, wipe capsule tip clean and replace cap. Let the material flow over and around the wire. (Figure 8)



Apply a "button" of Transbond LR onto each end of the wire.

Let the material flow until satisfied with the coverage.

Remember, the advantage of light cure is that you have adequate time.

Light cure each button for 10 seconds, trim if necessary.

For maximum stability, repeat the application of bonding material to the lingual of each incisor.



Note: The above mentioned curing times apply only to the Ortholux™ XT Curing Light. Other curing lights, depending on their output, might require other curing times. (Figure 9)

5. Push the floss back through the interproximal area toward the lingual, enlarging the "loop". Cut the loop and pull the floss threader out from the buccal.
6. For maximum stability, repeat the application of bonding material to the lingual of each incisor.
7. Trim and polish if necessary.
8. To remove the used capsule from dispensing gun, open the dispenser handle as wide as possible. Pull plunger away from capsule. Push the capsule toward the plunger. (Figure 10) Turn dispenser upside down to drop capsule into hand.



Storage and Use

1. Do not expose materials to elevated temperatures or intense light. Bring to room temperature prior to use.
2. Do not store material in proximity to eugenol-containing products as this may inhibit the proper adhesive curing.
3. This system is designed to be used at room temperature (20-25°C, 68-77°F). Storage between 2-27°C/35-80°F Light Sensitive
4. Shelf-life at room temperature is per the expiration date on the kit box. Rotate inventory to optimize shelf life.

Disinfection Information

3M Dispenser and Plunger - Refer to Reprocessing Instruction 011-650

3M

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