

Transbond™ Plus Light Cure Band Adhesive

Unitek™ Multi-Cure Glass Ionomer Band Cement

Characteristic Comparison		
	Transbond™ Plus Light Cure Adhesive	Unitek™ Multi-Cure Glass Ionomer Band Cement
		
Banding Field		
Dry	Yes	Yes
Moist-Water	No	Yes
Moist-Saliva	No	Yes
Curing		
Light Cure	12 Seconds* (3 seconds per cusp)	12 Seconds* (3 seconds per cusp)
Chemical Cure	No	5 Minutes
Adhesion		
Mechanical Adhesion	Yes	Yes
Chemical Adhesion	No	Yes
Delivery		
	Single Paste (No Mixing)	Powder/Liquid (Mixing Required)
Storage		
	Refrigerate	Room Temperature

*Ortholux™ Luminous Curing Light

Adhesive Clean-Up		
	On Teeth	On Instruments
Before Adhesive Cures	Use a scaler to remove excess adhesive	Clean immediately. Once cured, adhesive can be difficult to remove.
	Use a damp 2x2 to remove excess adhesive off occlusal surface	Remove adhesive with damp cloth or immerse instrument in water
After Adhesive Cures	Dessicate adhesive with air	Abrade adhesive lightly until removed
	Use a scaler or ultrasonic scaler	Place in ultrasonic cleaner

Band Adhesives

Frequently Asked Questions

1. What is the purpose of a band adhesive?

- A. The purpose of a band adhesive is to act as a “grout” to fill the irregularities between the band and the tooth surface.

2. Why is Unitek™ Multi-Cure Glass Ionomer Band Cement stronger than Transbond™ Plus Light Cure Band Adhesive?

- A. Unitek Multi-Cure band cement is stronger because it provides both chemical and mechanical adhesion to both the band and enamel surface of the tooth.



3. Under which conditions would I need the extra strength of Unitek Multi-Cure GI band cement?

- A. In some offices the extra adhesion offered by a glass ionomer is a welcome advantage where bands fit poorly, where there are isolation issues and in situations where forces greater than those normally exerted from headgear and rapid palatal expanders are expected. The trade-off is increased mixing time, increased clean-up time and increased difficulty when removing the cement from the teeth.

4. Under which conditions would I want to use Transbond Plus light cure band adhesive?

- A. In offices where band fit, moisture control and loose bands are not an issue. In these offices, Transbond Plus band adhesive is the best choice for ease-of-use and ease of clean-up.

5. What is the effect of moisture on Unitek Multi-Cure GI band cement & Transbond Plus light cure band adhesive?

- A. Hybrid glass ionomers, like Unitek Multi-Cure band cement, work best on a moist surface; however, glass ionomers do not tolerate additional water/saliva introduced during the curing process.

Compomers, like Transbond Plus band adhesive, are not as tolerant of moisture as glass ionomers. An effort should be made to keep the tooth dry when using Transbond Plus band adhesive.

6. Will decreasing the time I light cure Transbond Plus band adhesive affect band retention?

- A. Yes, Transbond Plus band adhesive must be cured for the full 12 seconds since there is not a chemical cure component to this adhesive. Archwires may be placed immediately after curing. (Reference time using Ortholux™ Luminous Curing Light).

7. Will decreasing the time I light cure Unitek Multi-Cure GI band cement affect band retention?

- A. No, since the Unitek Multi-Cure band cement also cures chemically, band strength will not be affected if archwires are not placed for 5 minutes. Five minutes is the minimum time needed for the adhesive to fully set-up chemically. If the Unitek Multi-Cure band cement is light cured for the full 12 seconds, archwires can be placed immediately.

8. Should I consider using both Transbond Plus light cure band adhesive and Unitek Multi-Cure GI band cement in my orthodontic practice?

- A. Each product provides unique advantages to different banding situations. In some circumstances, one may be more suitable than the other, making both valuable tools in the orthodontic practice.



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