



Orthodontic bonding solutions

3M™ APC™ Adhesives

3M™ Transbond™ Adhesives

Primers and Specialty Adhesives



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Over 75 years of orthodontic innovation

Solventum is proud to help solve our customers' bonding adhesive challenges with state-of-the-art bonding techniques and systems. Our comprehensive range of products, including:



advanced light
curing systems



adhesive-coated
brackets



banding systems

These products are designed for ease of use and deliver consistent, reliable performance.

We are dedicated to providing solutions that ensure strong, lasting bonds, making orthodontic care effective and dependable.



Orthodontic adhesive product applications and properties

Solventum brand orthodontic adhesives and primers offer uncompromising quality and reliable performance. To help you find the best product for your needs, use this reference chart to explore product applications and specific properties. We're here to ensure you have the best tools for exceptional results.

	Applications						Properties				
	Primer	DBA custom resin base	IDB custom resin base	IDB adhesive	Banding	Lingual retainer	Light cure	Dual cure	Colour changing	Moisture tolerant	Mixing required
APC™ Flash-Free Adhesive Coated Appliance System		●	●				●				
Transbond™ XT Light Cure Adhesive		●	●				●				
Transbond™ PLUS Colour Change Adhesive		●					●		●	●	
Transbond™ Plus Self Etching Primer	●						●			●	
Transbond™ MIP Moisture Insensitive Primer	●						●			●	
Transbond™ XT Primer	●						●				
Transbond™ LR Adhesive for Lingual Retainers		●				●	●				
Transbond™ Plus Light Cure Band Adhesive					●		●				
Unitek™ Multi-Cure Glass Ionomer Band Cement					●			●		●	●
Transbond™ Supreme LV Low Viscosity Light Cure Adhesive				●		●	●				

3M™ APC™ Adhesive-coated Brackets

We understand the importance of efficient and reliable bonding in orthodontic care. The APC adhesive-coated brackets are designed to streamline the bonding process. The system offers both speed and reliability with fewer steps compared with traditional bonding systems. It features individually sealed blisters to prevent contamination and assurance of single use. Plus, a convenient inventory and dispensing system supports smoother workflow.

Using advanced adhesive technology, APC Flash-Free Adhesive lets you move directly from bracket placement to bracket cure without removing adhesive flash — no cleanup required. This added convenience and time savings are a significant benefit for doctors, staff and patients alike.

Benefits

- Eliminates the flash removal step
- Saves bonding time for doctor, staff and patient
- Ensures less than 2% bracket bond failure rate within 90 days of bonding*
- Protects enamel under the adhesive
- Simplifies debonding and adhesive remnant cleanup
- Improves patient bonding/debonding experience



“

APC Flash-Free Adhesive Coated Brackets are very easy to work with. Not having to clean up flash is a real time saver during the bonding process. Plus, I have the peace of mind knowing that no flash was left behind.”

– Dr. Scott Harper, USA



*Data on file

The 3M™ Transbond™ Adhesive family

At the heart of successful orthodontics lies a strong bond between enamel and brackets and orthodontists and their bonding products. Transbond adhesives deliver reliable performance, optimal results and support maximum efficiency for quicker, more comfortable treatments.

- Light cure adhesives
- Primers



Light cure adhesives

In our commitment to advancing orthodontic care, we offer a comprehensive range of innovative light cure adhesives. These adhesives incorporate cutting-edge technology to provide practitioners with extended working time and ensure accurate bracket placement.

3M™ Transbond™ XT Light Cure Adhesive

Orthodontists rely on this light cure adhesive to deliver fast, reliable bond strength and accurate results.

Benefits

- Bonds ceramic and metal brackets
- Extends working time for precise bracket placement
- Enhances handling properties for easy flash cleanup
- Available in syringes and capsules

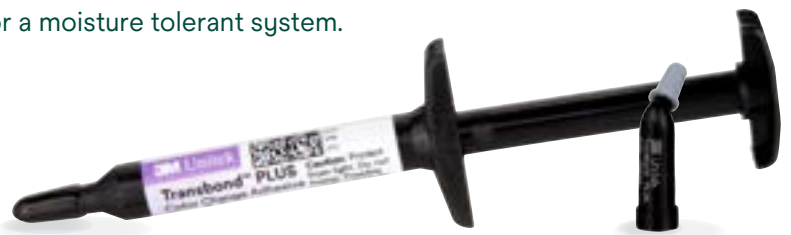


3M™ Transbond™ PLUS Colour Change Adhesive

Your patients trust you with their smiles. Our unique, hydrophilic colour-changing adhesive is designed to support you in delivering near-perfect results. Use in combination with Transbond Plus Self-Etching Primer for a moisture tolerant system.

Benefits

- Moisture tolerant
- Colour changing for easier flash cleanup and better bracket reference
- Versatile bonding for ceramic and metal brackets
- Available in syringes and capsules



Primers

3M™ Transbond™ Plus Self-Etching Primer

Solventum's one-step etchant and primer features unique chemistry and an exclusive delivery system that allows you to etch and prime in one simple and cost-effective step.

Benefits

- Moisture tolerant
- Good bond strength
- Optimal mixing with the Easy Roller
- Unit dose dispensing



3M™ Transbond™ MIP Moisture Insensitive Primer

Transbond MIP Moisture Insensitive Primer is a hydrophilic or “moisture-friendly” primer that allows you to bond in a moist environment without compromising bond strength.

Benefits

- Moisture tolerant
- Increased office efficiency



3M™ Transbond™ XT Light Cure Adhesive Primer

When you need a wetting agent that performs reliably, Transbond XT Primer is the preferred choice.

Benefits

- Requires only a thin, uniform film on each tooth
- Serves as a wetting agent



Specialty adhesives



Solventum specialty adhesives offer superior performance for lingual retainers, bands and indirect bonding. Specialty adhesive is crafted with care and expertise to ensure optimal performance, giving you the confidence to deliver the best possible outcomes for your patients.

Specialty adhesive for a range of products including:

- Lingual retainers
- Banding
- Indirect bonding
- Lingual indirect bonding

Lingual retainers

Optimized viscosity and handling characteristics make it easier for practitioners to shape and finish adhesives around lingual retainer wires while prioritizing maximum patient comfort.

3M™ Transbond™ LR Light Cure Adhesive for Lingual Retainers

Designed specifically for bonding lingual retainers, Transbond LR Adhesive features a softer consistency than Transbond XT Adhesive for easy application and greater control.

Benefits

- Light cure efficiency
- Pre-loaded capsules for minimal material waste
- Excellent handling properties



Banding

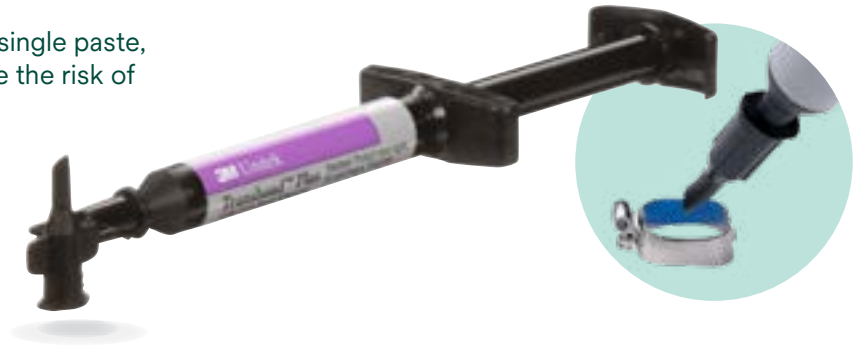
Solventum's innovative banding solutions provide ease of use and reliable band retention.

3M™ Transbond™ Plus Light Cure Band Adhesive

Transbond Plus Light Cure Band Adhesive is a single paste, no-mix adhesive with a rapid set time, to reduce the risk of moisture contamination.

Benefits

- No mix reduces adhesive waste
- Excellent band retention
- Blue colour for easy cleanup



3M™ Unitek™ Multi-Cure Glass Ionomer Orthodontic Band Cement

Unitek Multi-Cure Glass Ionomer Band Cement adheres to regular, etched or enhanced orthodontic bands. This material fills the voids between the anatomy of the tooth surface and the band, minimizing washout during the lifetime of the band.

Benefits

- Moisture and saliva tolerant
- Material fills voids between tooth surface and bands



Characteristic comparison		Transbond™ Plus Light Cure Band Adhesive	Unitek™ Multi-Cure Glass Ionomer Band Cement
Banding environment	Dry	●	●
	Moist – Water		●
	Moist ± Saliva		●
Curing	Light cure	●	●
	Chemical cure		●
Adhesion	Mechanical adhesion	●	●
	Chemical adhesion		●
Delivery	Powder/liquid		●
	Single paste	●	

Indirect bonding

With its accurate, no-waste delivery system, Solventum indirect bonding systems offer excellent control over bracket placement and a high level of precision and strength.

3M™ Transbond™ Supreme LV Low Viscosity Light Cure Adhesive

Transbond Supreme LV Low Viscosity Light Cure Adhesive is a flowable, light cure adhesive designed specifically for indirect bonding.

Benefits

- Stays in place without slumping or running prior to light curing
- Increases accuracy and reduce waste with convenient metal syringe tips
- Offers flow and wear properties and excellent strength



“

We have tried many different flowable composites for an indirect bonding procedure. The viscosity of Transbond Supreme LV Low Viscosity Light Cure Adhesive makes it the best and easiest to use.”

– Dr. Patrice Pellerin, Lachine, QC



3M™ Ortholux™ Luminous Curing Light

The Ortholux Luminous Curing Light redefines efficiency and performance in orthodontic curing with a versatile, ergonomic design and the latest in high-power LED technology, utilizing an optimized fiber optic light guide to achieve outputs of 1600 mW/cm².

Benefits

- One piece, stainless steel, pen-shaped, cordless handpiece
- 3-second curing for ceramic brackets and 6-second cure for metal brackets
- Built-in light meter
- Rechargeable lithium ion battery
- Consistent light intensity throughout charge



Adhesive	Appliance	3M™ Ortholux™ Luminous Curing Light
APC™ Flash-Free Adhesive Coated Brackets	Metal brackets	6 seconds mesial × 6 seconds distal
	Ceramic brackets	3 seconds through the bracket
	Buccal tubes (direct bond)	6 seconds mesial × 6 seconds occlusal
APC™ II Adhesive Coated Brackets, APC™ PLUS Adhesive Coated Brackets, Transbond™ PLUS Colour Change Adhesive, Transbond™ XT Adhesive	Metal brackets	3 seconds mesial × 3 seconds distal
	Ceramic brackets	3 seconds through the bracket
	Buccal tubes (direct bond)	6 seconds mesial × 6 seconds occlusal
Transbond™ XT Adhesive	Aligner attachments	6 seconds through the template
Transbond™ LR Adhesive	Lingual retainers	3 seconds mesial × 3 seconds distal
Transbond™ Plus Band Adhesive	Molar bands	12 seconds (3 seconds per cusp)
Unitek™ Multi-Cure Glass Ionomer Band Cement		
Transbond™ Supreme LV Low Viscosity Light Cure Adhesive	Indirect trays (metal brackets)	6 seconds mesial × 6 seconds distal through the trays
	Indirect trays (ceramic brackets)	6 seconds through the bracket and trays
	Aligner attachments	6 seconds through the template

*These curing times assume proper angle and distance of the curing light to the teeth.

**For more information, contact your
Solventum Representative today**

3M Health Care is now Solventum

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