



TRANSCEND[™]
COMPOSITES

Beautiful Restorations with Just One Shade



Before



Amalgam
Tattoo



Immediately
After



2 Years
Post-Op



Patient presented with recurrent decay on amalgam restoration on tooth #28. Tooth was restored using Transcend composite Universal Body shade. No opaquer was used as Transcend composite Universal Body shade had enough opacity to cover amalgam tattooing while blending in with the natural tooth color.

- Dr. Jaleena Fischer-Jessop

Chief Clinical Officer of Ultradent Products, Inc.



It's not magic,
it's science.

Transcend composites are designed with Ultradent's Resin Particle Match™ technology which allows the Universal Body shade to blend with almost any tooth color anywhere in the mouth, no blocker needed.¹



1. Data on file.



UP TO
4 mm
DEPTH OF CURE

NEW



Beautiful Restorations, **Simplified**

Transcend Bulk Fill flowable composite uses the same Resin Particle Match technology and Universal Body shade as Transcend universal composite, so you can expect beautiful results with the efficiency of a bulk fill composite.

With a 4 mm depth of cure, Transcend Bulk Fill flowable composite allows you to fill the bulk of a restoration in one layer, while the composite adapts and flows perfectly where you need it without needing to manipulate the composite.

Low shrinkage stress in a bulk fill composite reduces the risk of marginal gaps, postoperative sensitivity, and enamel microcracks after curing. Transcend Bulk Fill flowable composite was designed to deliver low shrinkage stress so you can restore with confidence.

How Transcend's One-Shade Composite Works:

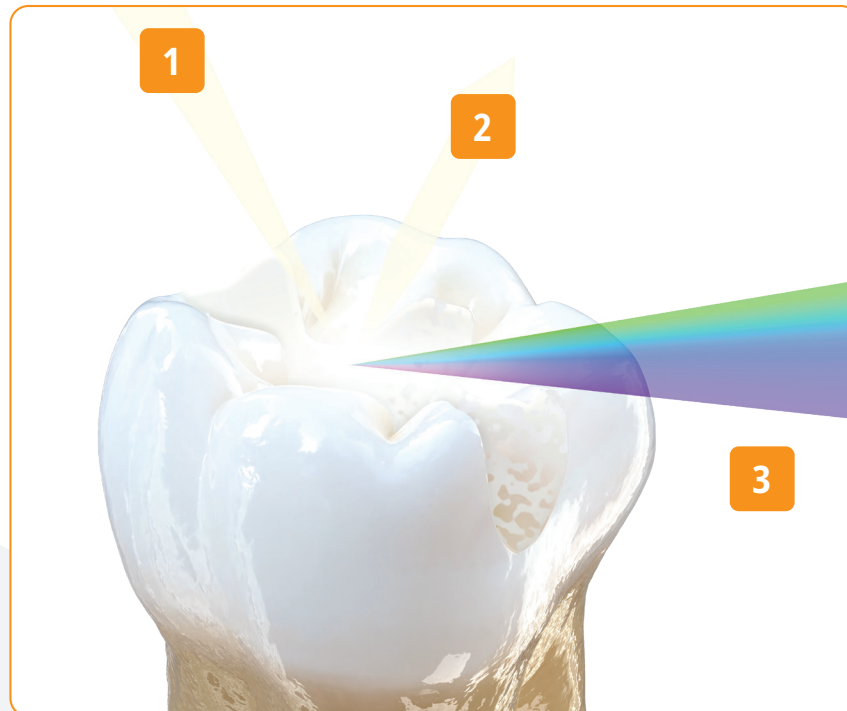
RESIN PARTICLE MATCH™ Technology

The refractive indices of the resin matrix and the filler particles in the Universal Body shade are closely matched, allowing light to be masterfully diffused through the composite and tooth structure and therefore providing a natural integration between the restoration and the tooth.

The Resin Particle Match technology is not the only thing that makes Transcend's Universal Body shade stand out though. Transcend's technology, combined with its optimal opacity, creates the ideal translucency percentage for a body shade that eliminates

the requirement for a blocker. Because of this careful balance between opacity and translucency, Transcend composites have the ability to look great in small and large restorations alike.

As light shines on the tooth and passes through Transcend's Universal Body shade (rays 1 and 2), the light transmits through the composite, absorbing the color from the surrounding tooth that then determines the color reflecting back to the human eye (ray 3). This means that no matter the tooth shade, Transcend's Universal Body shade will reflect color from the surrounding tooth.



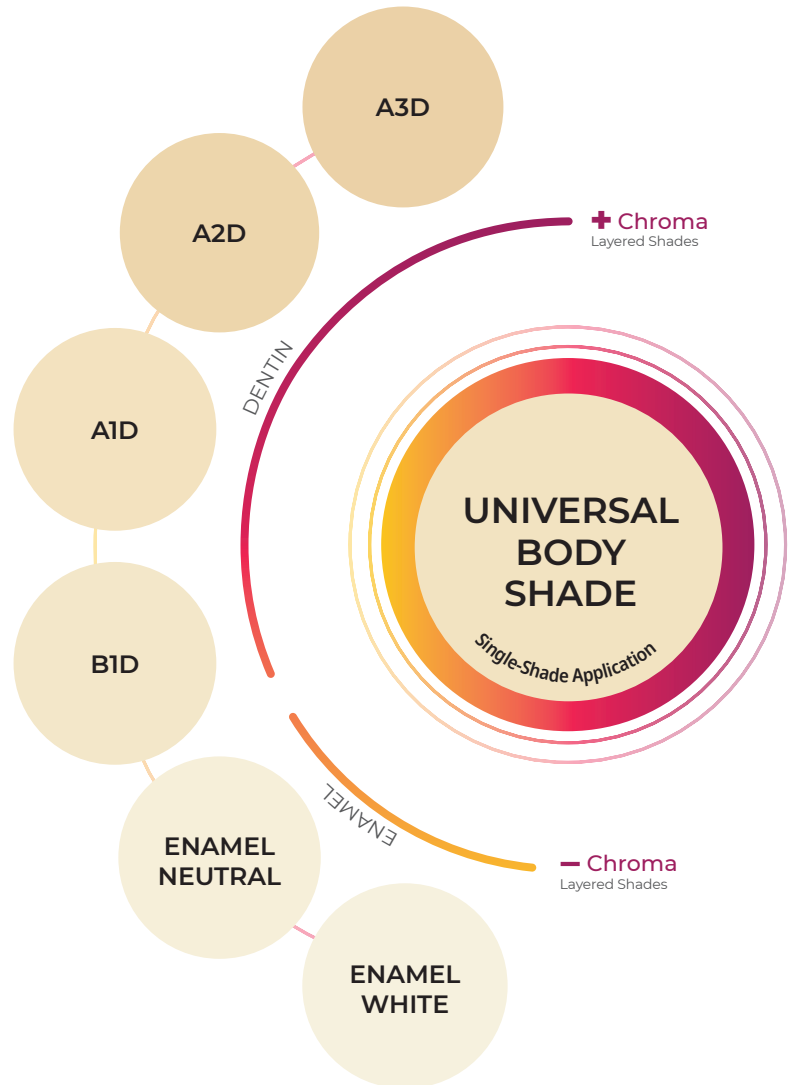
Shade System

When it comes to Transcend Universal composite's shade system, simplicity is key. For cases when a layering technique is required, Transcend composite includes four dentin shades and two enamel shades. These layering shades were handpicked to include only the most popular shades from our esthetic composite lines, so you have the shades needed to accomplish nearly any restoration.

Shades A1D, A2D, A3D, and B1D all follow the VITA[™] Classical shade guide, and the enamel shades are a result of Ultradent's two bestselling enamel shades from the Vit-I-escence[™].

Enamel Neutral is a more opaque enamel shade and Enamel White has more translucency.

Use the additional dentin and enamel shades of Transcend composite for the reconstruction of anterior teeth with a noticeable difference between cervical and incisal areas (opaque and translucent regions), and/or for larger restorations such as occasional Class III and IV cases that lack the tooth structure from which the Universal Body shade draws shade from. These additional shades have also been designed for enhanced optical integration between the composite and remaining dentition, and using them with a layering technique leads to beautiful outcomes.



One-Shade Restorations

In the cases shown below, only the Transcend composite Universal Body shade was used.



Before

After



Failing restorations present. Preparation, etch, and adhesive applied. Transcend composite Universal Body shade placed in 2 mm increments and cured. Brown pigment used for characterization of occlusal grooves.

Dr. Andrea Franzò

Before

After



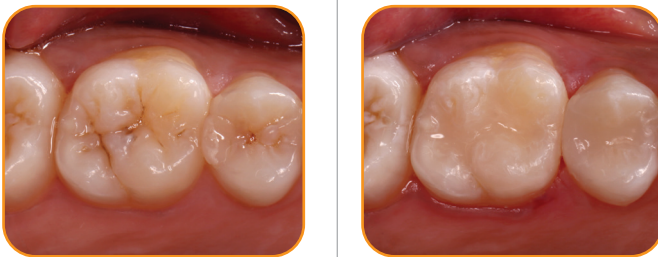
Tooth structure transmitted color from the amalgam. Notice the dark dentin. Transcend composite allows the light to travel through enough to reflect the tooth color without being too translucent and without the need of a blocker. Final result is balance between translucency and opacity, plus natural-looking tooth coloring.

Dr. Jaleena Fischer-Jessop

Chief Clinical Officer of Ultradent Products, Inc.

Before

After



Patient presented with occlusal caries/defective restoration on tooth #13 and occlusal caries on #14. Caries and defective restoration removed on tooth #13 and #14. Preparations filled with Transcend composite's Universal Body shade. No stains were used in the final image in order to show how closely Transcend composite mimics surrounding tooth structure.

Dr. Brigham Stoker

General Dentistry Advisor of Ultradent Products, Inc.

Before

After



Compromised older restorations. Old material removed and teeth prepped for Transcend composite Universal Body shade. Final restoration achieved after application of UB shade in 2 mm increments, then polished.

Dr. Gaetano Paolone

Research Professor in Restorative Dentistry, Università Vita Salute San Raffaele, Milan

Layered Restorations

In the cases shown below, multiple shades were layered.



Before

After



Reshaped and recontoured for better esthetic appearance. Transcend composite A2D shade placed in cervical areas on teeth #7 and #8, followed by the Universal Body (UB) shade on both teeth to balance the opacity and translucency the middle region of the teeth. Enamel White (EW) was then layered on the facial surface of tooth #7, Enamel Neutral (EN) and EW placed on the facial surface and incisal edge of tooth #8 and EN on the incisal edge of tooth #9.

Dr. Tommaso Mascetti

Before

After



Composite resin veneers replaced to obtain better esthetic appearance. Lingual shells created with Transcend™ composite Enamel Neutral shade. B1D placed on tooth #8, and A2D placed on tooth #9 to correct imbalance of patient's natural tooth shades. Enamel White shade placed as the final layer on both #8 and #9.

Dr. Rafael Calixto

Before

After



Discoloration due to trauma masked in order to match lower anteriors. Shades B1D and Enamel White were used to lighten tooth appearance. Universal Body shade applied to ensure margin blended naturally into cervical areas.

Dr. Jaleena Fischer-Jessop

Chief Clinical Officer of Ultradent Products, Inc.

Before

After



Anterior case on teeth #6–11 in which cosmetic recontouring is achieved. Layering technique used with Transcend composite EN to create palatal wall, B1D as the dentin layer, and finished with EW for the buccal layer.

Dr. Albano Bueno

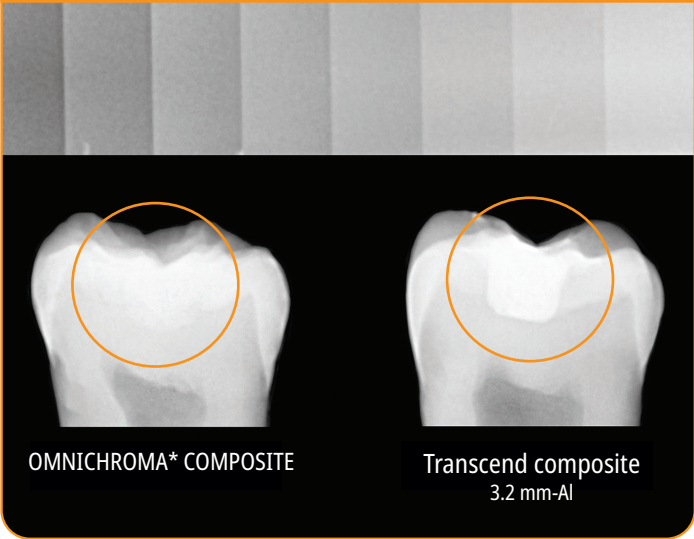
Built to Last

A good composite should be easy to place, have strong physical properties, and maintain beautiful esthetics through the life of the restoration. Transcend composite features high flexural and compressive strengths and long-lasting gloss units so restorations will withstand the test of time. Careful opacity tuning allows the Universal Body shade to blend seamlessly with surrounding dentition, ensuring long-lasting esthetics.

Technical Overview¹

Volumetric Shrinkage	1.6%
Compressive Strength	450.7 MPa
Hardness	60.3 HK
Flexural Strength	156.17 MPa
Flexural Modulus	11.85 GPa
Radiopacity	3.2 mm-Al
Depth of Cure	2.85 mm
& Fill by Volume	60-61%
% Fill by Weight	79%
Initial Gloss	93.5 GU
Final Gloss	91.2 GU

Radiopacity

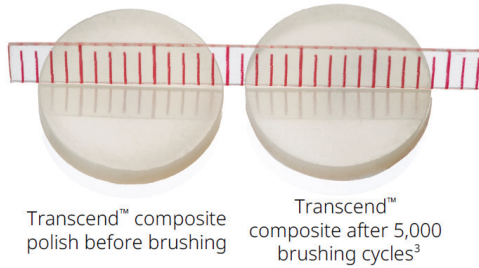


Shade Adaptability

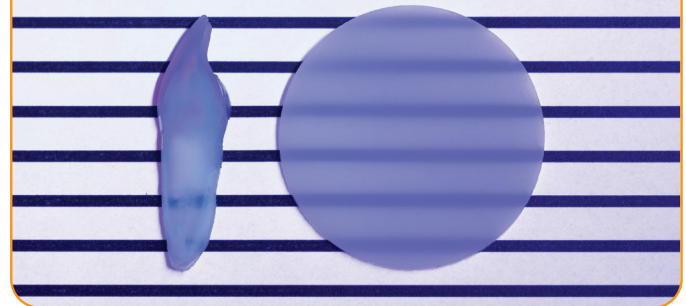




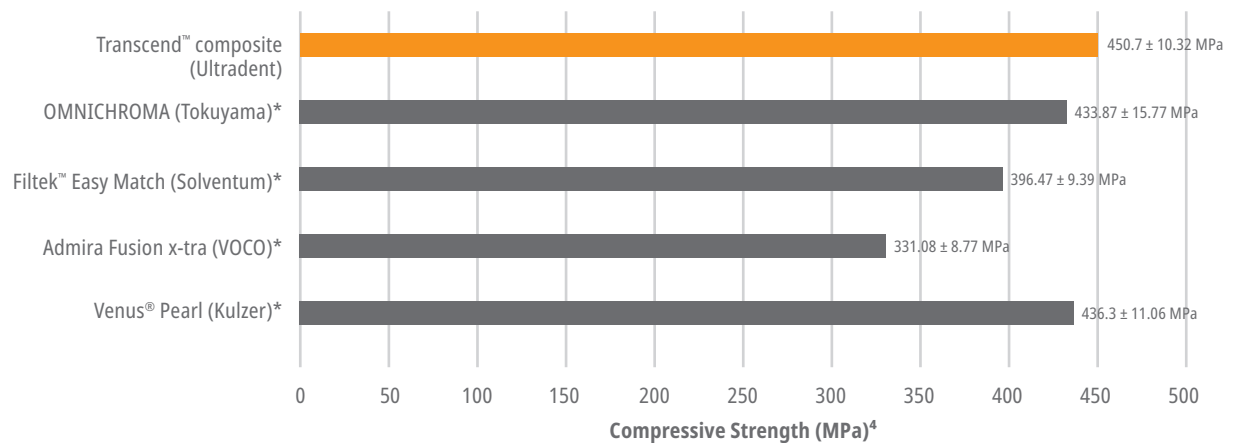
High Polish and Gloss Retention



Natural-looking Fluorescence



Compressive Strengths of Leading Composites



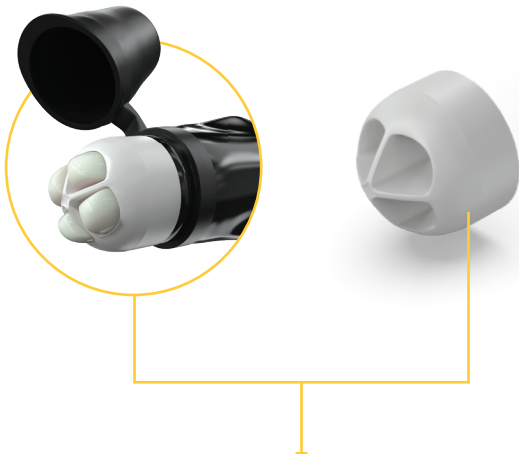
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*Trademark of a company other than Ultradent

Easy-to-Use Syringe

With an easy-to-open cap,
user can manipulate the
syringe with a single hand.

A tethered cap provides a more
efficient delivery, meaning no
more dropping and losing the
cap in a busy operator.



The QuadraSpense™ tip is Ultradent's
innovative design for dispensing precise
increments of composite material. If
desired, the tip can be easily removed.

Exclusive laser-printed syringes
won't fade unlike labels.



Unique and ergonomic
syringe design with a smooth
contoured handle and barrel
allows for easy cleaning while
still being easy to grip.

The proprietary
KleenSleeve™ helps
preserve composite purity
by preventing contact with
the black outer syringe
barrel during dispensing.

Bulk Fill Restorations

Transcend Bulk Fill flowable composite is ideal for direct and indirect restorations in the anterior and posterior regions and a reliable choice for creating orthodontic aligner attachments and securing lingual retainers.

Before



After



"Patient presented with restorations that needed to be replaced. Previous restoration and decay were removed, and the tooth was restored using Transcend Bulk Fill flowable composite with final occlusal layer using Transcend universal composite in Universal Body shade.

"Patients like this one, who have difficulty keeping their mouths open for extended periods, benefit greatly from this product. It allows for efficient treatment while still delivering excellent esthetic results. The ability to complete procedures more quickly without compromising quality creates a positive experience for both the patient and the clinician."

Dr. Jaleena Fischer-Jessop

Chief Clinical Officer of Ultradent Products, Inc.

Before



During



After



"Patient presented for orthodontic aligner treatment. Attachments were placed using Transcend Bulk Fill flowable composite. This material provides the perfect combination of easy handling, durability, and esthetics desired when placing aligner attachments."

Dr. Brigham Stoker

General Dentistry Advisor of Ultradent Products, Inc.



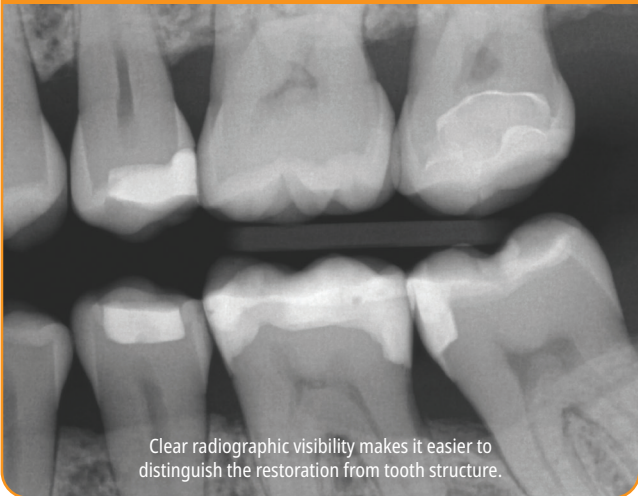
Save Time Without Sacrificing Esthetics

Designed for durability, Transcend Bulk Fill composite is a high strength bulk fill composite with gloss that lasts and low shrinkage stress, so you can restore with confidence.

Technical Overview¹

Hardness	27.4 ± 2.7 HK
Compressive Strength	466.81 ± 13.32 MPa
Flexural Strength	125.25 ± 3.76 MPa
Depth of Cure ISO	3.61 ± 0.01 mm
Depth of Cure UPI	6.99 ± 0.08 mm
Radiopacity	2.3 mm-AI
Shrinkage Volume	3.6% ± 0.1%
Shrinkage Stress	3.65 ± 0.08 MPa
Initial Gloss	91.7 ± 0.6 GU
Final Gloss	87.1 ± 1.2 GU

Radiopacity

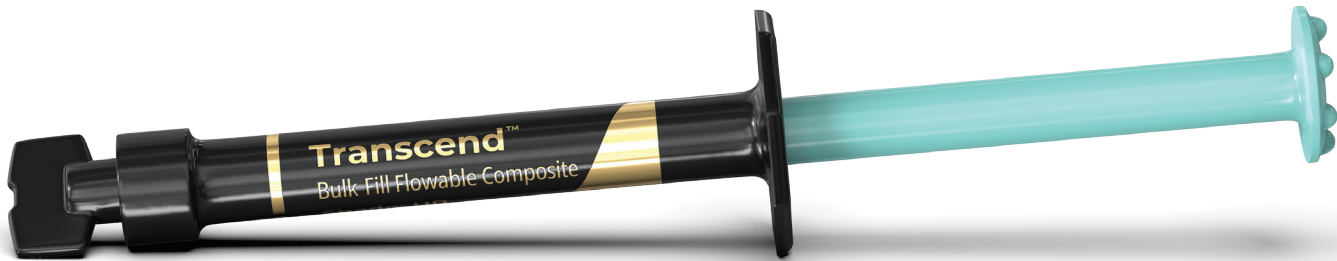


Shade Adaptability



These teeth were restored with Transcend Bulk Fill flowable composite. Note the shade adaptability of the Universal Body shade.

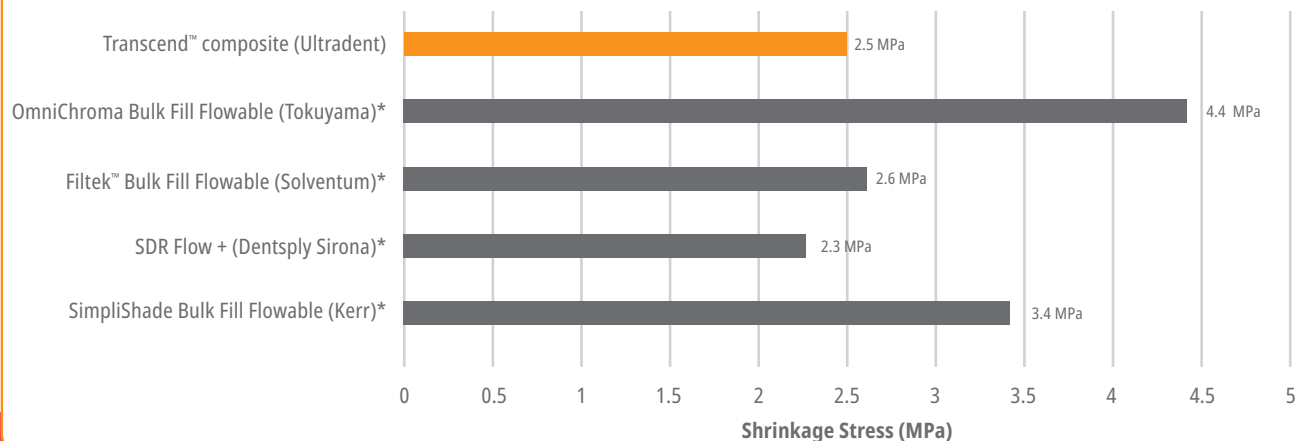
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Transcend Bulk Fill composite's seamless adaptability enables it to conform smoothly to the preparation, perfectly flowing to cavity walls and internal anatomy with minimal manipulation. The result is faster placement, fewer opportunities for voids, and greater confidence that every restoration begins with complete adaptation where it matters most.



Low Shrinkage Stress



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Bulk Fill Technique Guide



1. Prepare restoration and place wedge and matrix.



2. Remove luer lock cap.



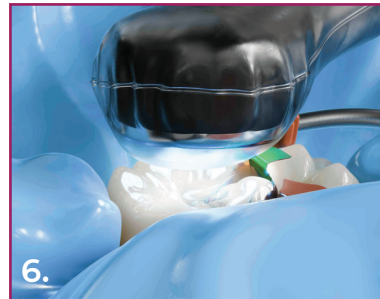
3. Securely attach Micro 20 ga tip.



4. Verify flow and consistency prior to applying intraorally.



5. Apply layers of Transcend Bulk Fill flowable composite up to 4 mm in depth, keeping the end of the tip submerged in the material as it is expressed.



6. Light cure between each applied layer.



7. Place final layer using Transcend universal composite with up to 2 mm per layer on occlusal surfaces.



8. Light cure.



9. Shape, finish, and adjust occlusion using preferred method.



Ordering Information

Universal Body Shade

NEW



5876 - Transcend Bulk Fill Flowable UB Syringe Refill
1 x 2 g syringe Universal Body shade
10 x Micro 20 ga tips



4733 - Transcend UB Syringe 1pk
1 x 4 g syringe Universal Body shade

4734 - Transcend UB Syringe 4pk
4 x 4 g syringes Universal Body shade



4757 - Transcend UB Singles 1pk
10 x 0.2 g singles Universal Body shade

4817 - Transcend UB Singles 4pk
40 x 0.2 g singles Universal Body shade

Complementary Shades



Transcend Syringe 1pk
4 g syringe

Dentin	1pk	Enamel	1pk
A1D	4727	EN	4731
A2D	4728	EW	4732
A3D	4729		
B1D	4730		



Transcend Singles 1pk
10 x 0.2 g singles

Dentin	1pk	Enamel	1pk
A1D	4744	EN	4748
A2D	4745	EW	4749
A3D	4746		
B1D	4747		



4726 - Transcend Syringe Intro Kit
1 x 4 g syringe of each shade:
A1D, A2D, A3D, B1D, EN, EW, UB



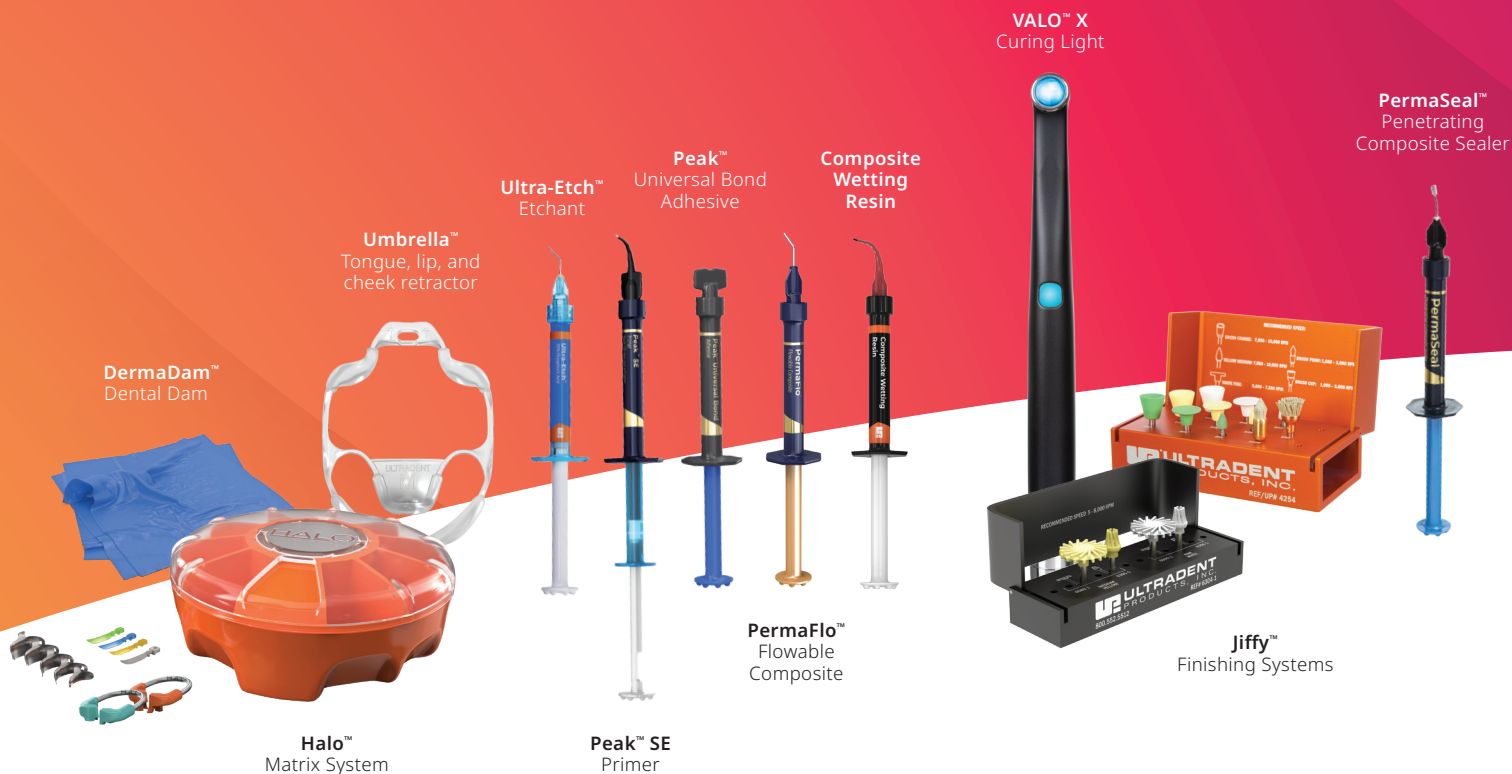
4814 - Transcend Singles Intro Kit
10 x 0.2 g singles of each shade:
A1D, A2D, A3D, B1D, EN, EW, UB

Pair Composite Wetting Resin with any Ultradent composite to improve instrument and composite glide when sculpting and contouring.



3059 - Composite Wetting Resin Syringe 2pk
2 x 1.2 ml syringes

Combine these Ultradent products with Transcend composite to provide quick, beautiful, and minimally invasive esthetic options to your patients.



Prepare

Etch & Bond

Composite

Curing

Finishing



**RESTORATIVE
SOLUTION**