

# TRANSCEND™

UNIVERSAL COMPOSITE

## Restorations with **JUST ONE SHADE**



**Before**

**Amalgam  
Staining**

**Immediately  
After**

**2 Years  
Post-Op**

Patient presented with recurrent decay on amalgam restoration on tooth #44. 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 staining while blending in with the natural tooth color.

- Dr. Jaleena Fischer-Jessop

# It's not magic, **it's science.**

Transcend composite is 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.<sup>1</sup>





## How Transcend's One-Shade Composite Works:

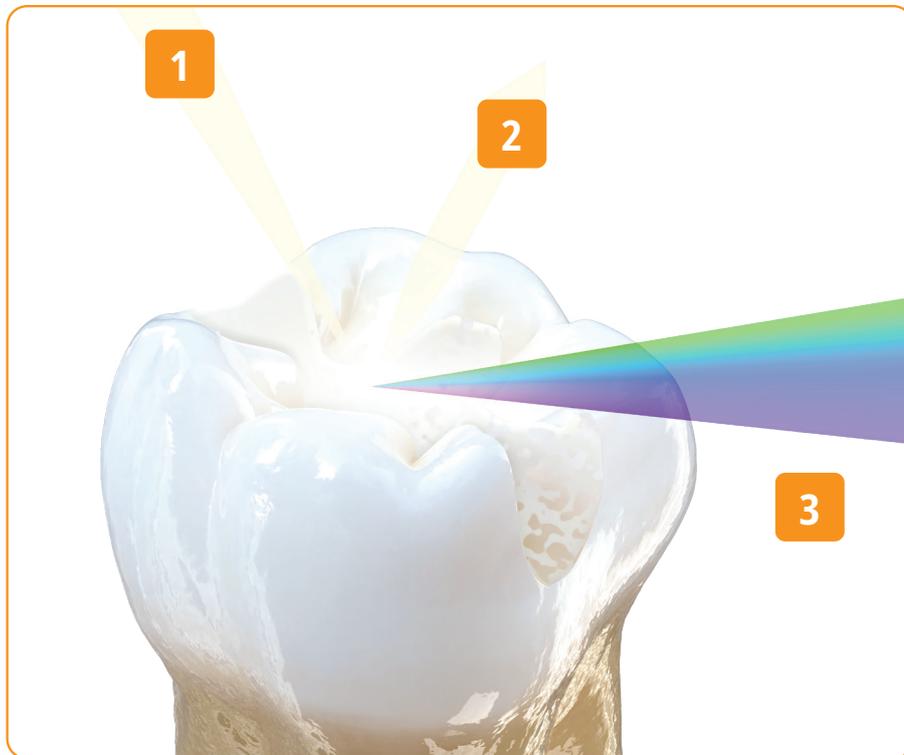
# RESIN PARTICLE MATCH™ Technology

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 composite has the ability to look great in small and large restorations alike.

As light shines in and out of 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.



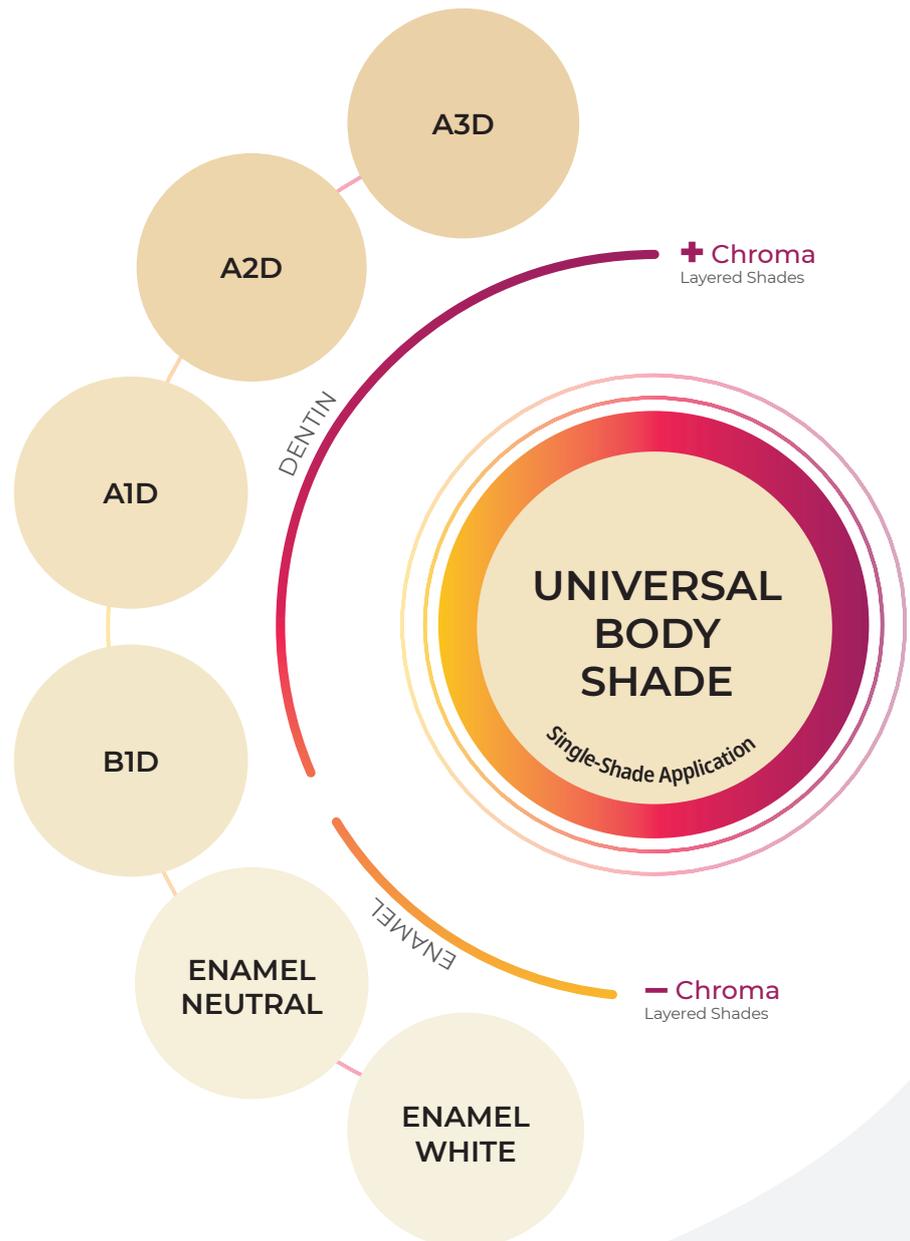
# Shade System

When it comes to Transcend 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™ shade guide\*, and the enamel shades are a result of Ultradent's two bestselling enamel shades.

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 composite and remaining dentition and using them with a layering technique leads to beautiful outcomes.

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





# One-Shade Restorations

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

Before		After
		
<p>Failing restorations. Preparation, etch, and adhesive applied. Transcend composite Universal Body shade then placed in 2 mm increments and cured. Last photo features final restoration.</p> <p><b>Dr. Andrea Franzò</b></p>		

Before		After
		
<p>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 that the final restoration looks gray. Final result is balance between translucency and opacity, plus natural tooth coloring.</p> <p><b>Dr. Jaleena Fischer-Jessop</b></p>		

Before	After
	
<p>Patient presented with occlusal caries/defective restoration on tooth #25 and occlusal caries on #26. Caries and defective restoration removed on tooth #25 and #26. 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.</p> <p><b>Dr. Brigham Stoker</b></p>	

Before		After
		
<p>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.</p> <p><b>Dr. Gaetano Paolone</b></p>		

# Layered Restorations

In the cases shown below, multiple shades were layered.



Before	After
<p>Reshaped and recontoured for better esthetic appearance. Transcend composite A2D shade placed in cervical areas on teeth #12 and #11, 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 #21, Enamel Neutral (EN) and EW placed on the facial surface and incisal edge of tooth #11 and EN on the incisal edge of tooth #21.</p> <p><b>Dr. Tommaso Mascetti</b></p>	

Before	After
<p>Composite resin veneers replaced to obtain better esthetic appearance. Lingual shells created with Transcend™ composite Enamel Neutral shade. B1D placed on tooth #11, and A2D placed on tooth #21 to correct imbalance of patient's natural tooth shades. Enamel White shade placed as the final layer on both #11 and #21.</p> <p><b>Dr. Rafael Calixto</b></p>	

Before	After
<p>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.</p> <p><b>Dr. Jaleena Fischer-Jessop</b></p>	

Before	After
<p>Anterior case on teeth #13–23 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.</p> <p><b>Dr. Albano Bueno</b></p>	

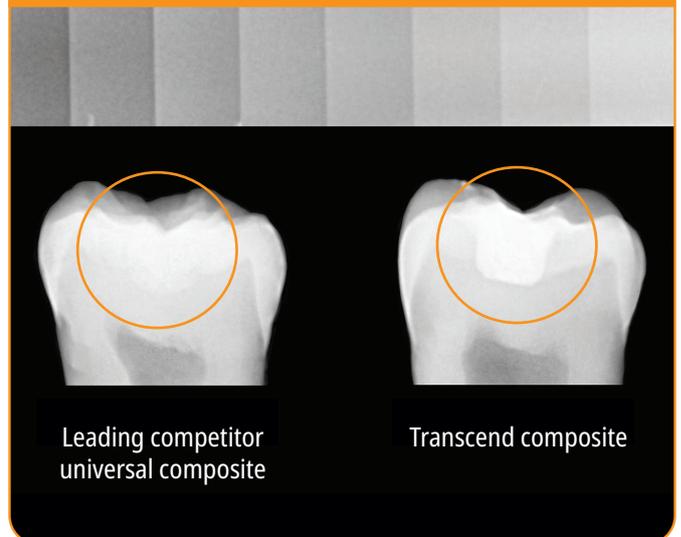
# Built to Last

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 optimal flexural and compressive strengths and high initial and post-polishing 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 Overview<sup>1</sup>

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-AI)
Depth of Cure	2,85 (mm)
& Fill by Volume	60-61%
% Fill by Weight	79%

## Radiopacity 3,2 (mm-AI)



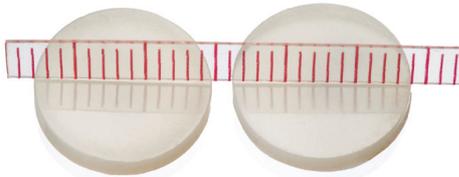
## Shade Adaptability



Universal Body shade continues to match the surrounding dentition even after whitening.<sup>2</sup>



### High Polish and Gloss retention



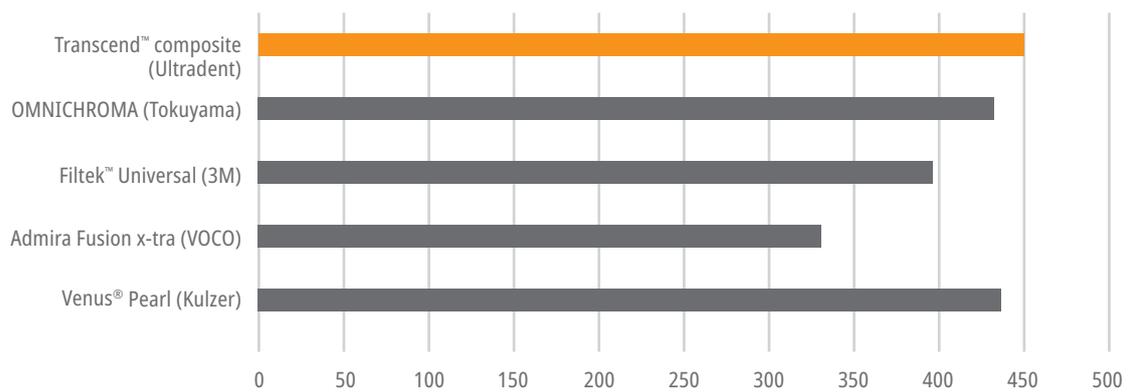
Transcend™ composite  
polish before brushing

Transcend™  
composite after 5.000  
brushing cycles

### Natural Fluorescence



### Compressive Strength (MPa)<sup>3</sup>



# Easy-to-Use Syringe

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



The unique and novel KleanSleeve helps protect composite from picking up contamination from the black outer syringe barrel



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

Exclusive laser-printed syringe, unlike labels which may fade

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

# Ordering Information

## Universal Body Shade



**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

## 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		



**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



**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



**3059 - Composite Wetting Resin Syringe 2pk**  
2 x 1,2 ml syringes

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

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



Prepare — Etch & Bond — Composite — Curing — Finishing

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