

Filtek™ Ultimate

Universal Restorative



Dual Shade Technique

A pictorial step-by-step clinical guide for creating dual-shade aesthetics.

You may already know the benefits of working with Filtek™ Ultimate Universal Restorative. What you may not know is how easy it is to move from a single-shade to a dual-shade technique using Filtek™ Ultimate Universal Restorative.

To ease you into dual-shade layering, we have created this pictorial guide along with a special Filtek™ Ultimate Universal Restorative Dual Shade Introductory Kit. The kit contains A2 and A3 Enamel shades, and A3 and A4 Dentine shades, and is designed for Class III and IV anterior restorations. The kit also contains the 3M™ ESPE™ Shade Selector Wheel, which makes it simple to determine the appropriate recipe for any anterior or posterior restoration you are performing.

The easy-to-use 3M™ ESPE™ Shade Selector Wheel serves as a guide for placing from one to four shades of composite. Use one side of the shade wheel for Class III and IV restoration recipes, and the reverse side for Class I, II and V.

3M ESPE

Dual Shade Technique

Evaluate the initial situation.

In this case study, examination of the adjacent central incisor revealed homogeneous translucent enamel in the incisal third of the tooth.

A two-shade incremental technique – using a Dentine and Enamel shade – was chosen to replicate this effect.



Step 1

Choose your recipe.

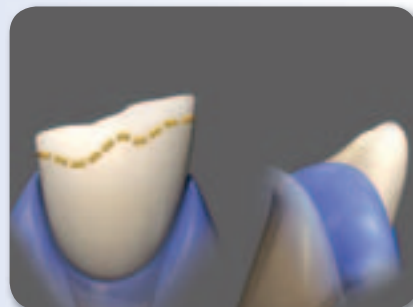
- Determine the patient's tooth shade using the Vitapan® Classical Shade Guide by matching the middle third of the shade tab with the middle third of the tooth.
- Find the correct side of the **Filtek™ Ultimate Universal Restorative Shade Selector Wheel** for the Class of restoration being performed. The shade wheel has Class III and IV recipes on one side, and Class I, II and V recipes on the reverse.
- Using the shade wheel, select the corresponding Enamel and Dentine shades of composite.

(Note: Determine the shade prior to isolation to eliminate any dehydration effects.)

Step 2

Isolate and prepare the tooth.

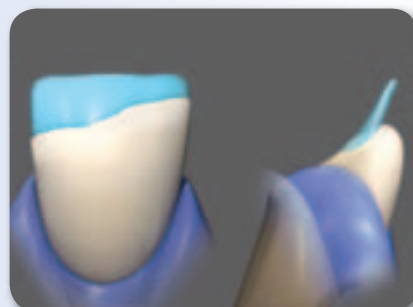
- Bevel the lingual enamel of Class IV preparations with at least 1 mm clearance in all directions from any occlusal contact points.
- Place a rounded facial bevel that starts inside the DEJ and disappears over the facial surface. Note that the length of this bevel is significantly longer than the lingual bevel.
- Etch the prepared tooth at least 3 mm beyond the edge of the preparation, rinse and proceed with adhesive application.



Step 3

Place your lingual increment.

- Place the lingual increment of Enamel shade freehand, as in the present case, or by using a putty-matrix technique.

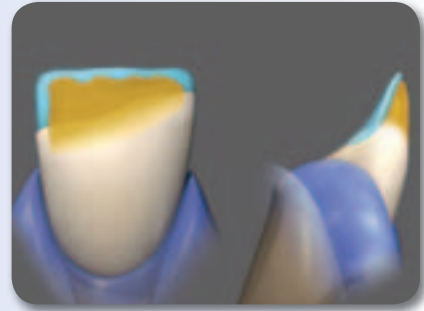


Photos courtesy of Dr. Marcos A. Vargas, MS, BDS, DDS, AEGD, University of Iowa College of Dentistry, Iowa City, Iowa

Step 4

Place your internal increment.

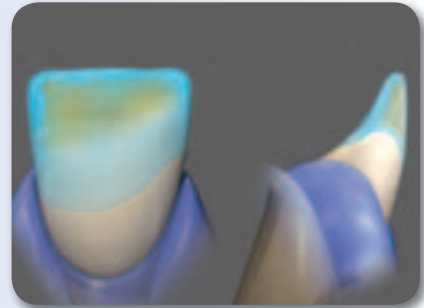
- After the lingual shell has been cured, replace the natural dentine with the corresponding Dentine shade of composite.
- Blend the composite over the dentine portion of the bevel. The demarcation line from the fracture should not be visible at this point.
- Make sure to leave room for the Enamel shade.
- Light cure.



Step 5

Place your facial increment.

- Place the Enamel increment.
- Make sure the Enamel shade disappears over the facial surface, slightly past the bevel for blending.
- Light cure.



Step 6

Contour and polish your final enamel layer.

Let the adjacent tooth guide you in the extent of contouring and surface characterization that is needed. For this case, disks, diamonds and various polishing agents were used:

- Contouring was achieved with a coarse grit Sof-Lex™ Contouring Disk and a fine diamond.
- Surface characterization was reproduced with a fine diamond (30 micron) and a coarse polishing cup.
- Medium- and fine-grit diamond and aluminum oxide-impregnated rubber cups were used to produce the final high-gloss result.



One week post-operative results.

Filtek™ Ultimate Universal Restorative has natural beauty. It produces wonderful lifelike aesthetics. And, its unique nanofiller technology gives it outstanding strength and polish.

With a dual-shade technique and Filtek™ Ultimate Universal Restorative's naturally blending shades and opacities, you're sure to see greater patient satisfaction as you take your aesthetics to the next level.



Ordering Information

Item No.	Product Information
3920D	Filtek™ Ultimate Universal Restorative Dual Shade Introductory Kit – Syringe Kit includes: 4 – 4 g syringes: 1 each of Dentine shades A3, A4, and Enamel shades A2, A3; 1 Shade Selector Wheel; Technique Guide; Instructions for Use



Syringes are colour-coded by opacity for easier shade selection. A 3M ESPE Shade Selector Wheel is included in every Dual Shade Kit to help make it simple to create natural-looking restorations.

Refills	
Dentine shades	Syringe
A1D	3920A1D
A2D	3920A2D
A3D	3920A3D
A4D	3920A4D
B3D	3920B3D
C4D	3920C4D
White	3920WD
Body shades	Syringe
A1B	3920A1
A2B	3920A2B
A3B	3920A3B
A3.5B	3920A3.5B
A4B	3920A4B
A6B	3920A6B
B1B	3920B1B
B2B	3920B2B
B3B	3920B3B
B5B	3920B5B
C1B	3920C1B
C2B	3920C2B

Refills	
Body shades	Syringe
C3B	3920C3B
D2B	3920D2B
D3B	3920D3B
White	3920WB
Extra White	3920XWB
Enamel shades	Syringe
A1E	3920A1E
A2E	3920A2E
A3E	3920A3E
B1E	3920B1E
B2E	3920B2E
D2E	3920D2E
White	3920WE
Extra White	3920XWE
Translucent shades	Syringe
Clear	3920CT
Blue	3920BT
Grey	3920GT
Amber	3920AT

Syringe shade refills include 1 – 4 g syringe; Instructions for Use.

3M ESPE

3M ESPE AG
 ESPE Platz
 82229 Seefeld · Germany
 E-Mail: info3mespe@mmm.com
 Internet: www.3MESPE.com

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