

Restorative Solutions

# Filtek™ Z550

Nano Hybrid Universal Restorative



so easy to use!

For my **everyday** needs.

**3M** ESPE

# A practical, simple solution from a trusted leader

Dental practices are always looking for alternative restorative solutions that provide a great value. 3M™ ESPE™, the innovator of dental nanofiller technology and a recognized world leader in dental restoratives, used its expertise to create a better, all-purpose nanohybrid: Filtek™ Z550 Nano Hybrid Universal Restorative.

Building on the success of its predecessor, Filtek™ Z250 Universal Restorative, we incorporated our proven nanofiller technology to improve the physical properties of strength, wear resistance and polish. We think you'll find that Filtek Z550 Nano Hybrid Universal Restorative is an updated solution for meeting a wide range of patient needs.

## What is a nanohybrid?

Nanohybrid composites offer a reliable solution for a wide range of restorative needs. They contain a broad range of particle sizes for higher filler loading, which leads to strength that's similar to a traditional hybrid. The addition of bonded nano-sized particles gives the restoration better wear resistance and a surface that is easier to polish for good aesthetic results.

## Filtek Z550 Nano Hybrid restorative offers the handling dentists prefer:

For decades, 3M ESPE has worked to continually improve and perfect handling from the dentist's point of view. Here are some ways the excellent handling of Filtek Z550 restorative will make your work go smoothly.

- Doesn't stick to the instrument so is easy to adapt
- Doesn't slump, yet will blend and feather
- Is easy to sculpt and holds its shape prior to cure
- Handles better than other hybrid composites

## Easy handling, versatile usage – day after day



Photos courtesy of Jeff T. Blank, DMD



## Easy to use in all classes of direct restorations.

Our new nanohybrid composite is designed to be easy to use, whether creating anterior or posterior restorations.

With 12 popular shades that match the Vita® Classical Shade Guide, you'll find it easy to blend Filtek Z550 restorative with the patient's natural teeth. Plus, it's very easy to polish. This everyday restorative will look good ... anytime and anywhere you use it.



Photos courtesy of Dr. Montri Chantaramunkorn, Chiang Mai, Thailand



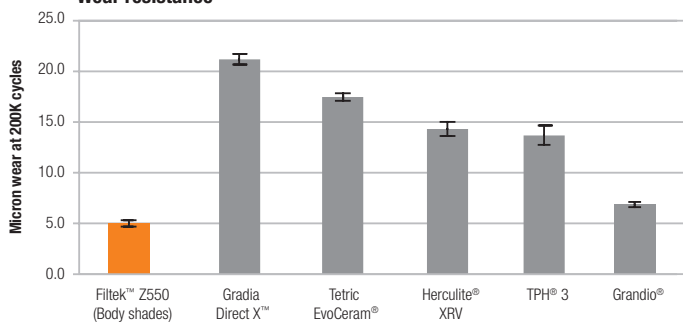
# Formulated for strong, reliable performance

With Filtek™ Z550 restorative, you can satisfy patient expectations for a natural-looking, high quality restoration.

The result is high flexural strength, diametral tensile strength, wear resistance, and improved polish retention. When you place Filtek Z550 restorative, you can trust in a reliable outcome.

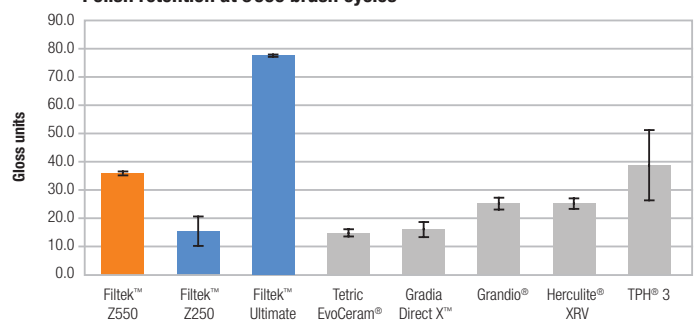


**Wear resistance**



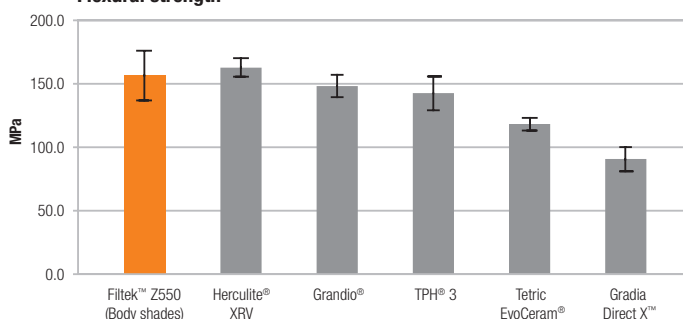
In a 3-body wear test, Filtek™ Z550 Nano Hybrid Universal Restorative showed better wear resistance than other competitive composites. (The lowest number indicates least wear.) Source: 3M ESPE internal data

**Polish retention at 6000 brush cycles**



Filtek™ Z550 Nano Hybrid restorative with the addition of nanoparticles performs well against competition. Tiles were prepared to a high initial polish then subjected to toothbrush abrasion. The data above shows the final polish retention (gloss) after 6000 toothbrush cycles. Source: 3M ESPE internal data

**Flexural strength**



In an *in vitro* study, Filtek™ Z550 Nano Hybrid Universal Restorative showed similar flexural strength than other competitive composites. Source: 3M ESPE internal data


## Summary of advantages:

- Excellent handling
- Predictable aesthetics
- High strength
- Good wear resistance
- Easy to polish
- Improved polish retention
- 12 popular shades, choice of dentine shades
- Indicated for all direct restorations

## Ordering Information

Item No.	Product Information
<b>7050TK</b>	<b>Filtek™ Z550 Nano Hybrid Universal Restorative Trial Kit – Syringes</b> Kit includes: 4–4 g syringes: 1 each of shades A2, A3, A3.5, OA2; 1–6 g vial Adper™ Single Bond 2 Adhesive; 1–3 ml syringe Scotchbond™ Etchant; Accessories; Technique Guide; Instructions for Use
<b>7050IK</b>	<b>Filtek™ Z550 Nano Hybrid Universal Restorative Introductory Kit – Syringes</b> Kit includes: 8–4 g syringes: 1 each of shades A1, A2, A3, A3.5, B3, C2, D3, OA2; 1–6 g vial Adper™ Single Bond 2 Adhesive; 1–3 ml syringe Scotchbond™ Etchant; Accessories; Technique Guide; Instructions for Use

### REFILLS

SHADES	SYRINGES
<b>A1</b>	<b>7050A1</b>
<b>A2</b>	<b>7050A2</b>
<b>A3</b>	<b>7050A3</b>
<b>A3.5</b>	<b>7050A3.5</b>
<b>A4</b>	<b>7050A4</b>
<b>B1</b>	<b>7050B1</b>
<b>B2</b>	<b>7050B2</b>
<b>B3</b>	<b>7050B3</b>
<b>C2</b>	<b>7050C2</b>
<b>D3</b>	<b>7050D3</b>
<b>OA2</b> 	<b>7050OA2</b>
<b>OA3</b>	<b>7050OA3</b>

**SYRINGE SHADE REFILLS** include 1–4 g syringe.



Filtek™ Z550 Nano Hybrid Universal Restorative Trial Kit – Syringes (7050TK)



Filtek™ Z550 Nano Hybrid Universal Restorative Introductory Kit – Syringes (7050IK)

**3M ESPE**

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