

Your practice is *our* inspiration.®

Herculite Ultra | Where legacy & advanced technology meet



Herculite Ultra

Ushering in a new era of resin restorative dentistry



After 25 years as the industry standard, we took a powerful, trusted brand and applied our expertise in resin restorative technology and composite innovation to bring you Herculite® Ultra—strong and durable for posterior restorations, excellent esthetics for anterior restorations.

Herculite has been my gold standard for universal composites since 1989. With nanotechnology, Herculite Ultra now maximizes handling, polish, and durability.

A great product just got better!

– Dr. Bruce LeBlanc

Features

Optimal handling, non-slumping. Superb ease of placement.

Long-lasting polishability. Maintains lifelike luster long after initial restoration.

Herculite gold standard technology. Proven 20+ years of experience.

High wear strength and mechanical properties. Long-lasting and durable.

Chameleon-like quality. Superior tooth-blending effect enabled by optimized filler size.

Anterior



Case images courtesy of Dr. Bruce LeBlanc.

Posterior



Case images courtesy of Dr. Simona Cuevas.

The Science Behind Herculite Ultra

Filler Technology

Prepolymerized Filler (PPF)

Large enough to increase loading, our PPF is a proprietary blend of low-shrinkage resin, barium glass and nanoparticles, so plucking becomes a nonissue.

- Exceptional ease of polish and gloss retention
- Enhanced handling characteristics
- Decreased polymerization shrinkage

Silica Nanofiller

(20 – 50 nm)

- Enhanced polish
- Decreased shrinkage
- Optimal handling

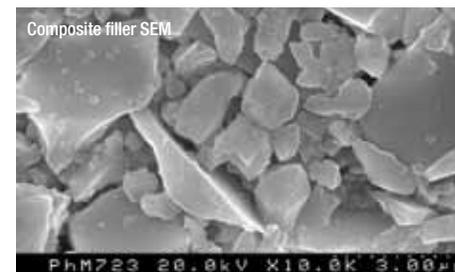
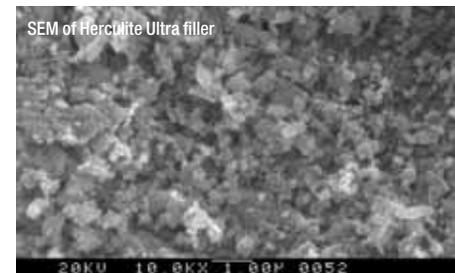
Compare to Other Composites

Plucking, or natural wear over time, tends to occur faster in restorations with larger particles, decreasing the overall life and esthetics of the restoration.

Point 4 Filler

(barium glass filler of 0.4 μm average size)

- Clinically proven durability
- Clinically proven polish



Time-Tested Herculite Technology

The 20+ year chemistry of the Herculite resin matrix results in:

- Exact Vita® shade matching and color stability
- Consistent clinical performance and longevity



8-year-old incisal restorations using Herculite. Case image courtesy of Dr. Bruce LeBlanc.



13-year-old restoration on bicuspid using Herculite. Case image courtesy of Northwestern University.

Along with high gloss retention and true Vita® shade match, the light refraction properties of Herculite® Ultra allow single-layer restorations to blend flawlessly with the surrounding tooth structure. The need for multi-layer restorations is eliminated, resulting in a simplified shading system that ultimately enhances esthetics.

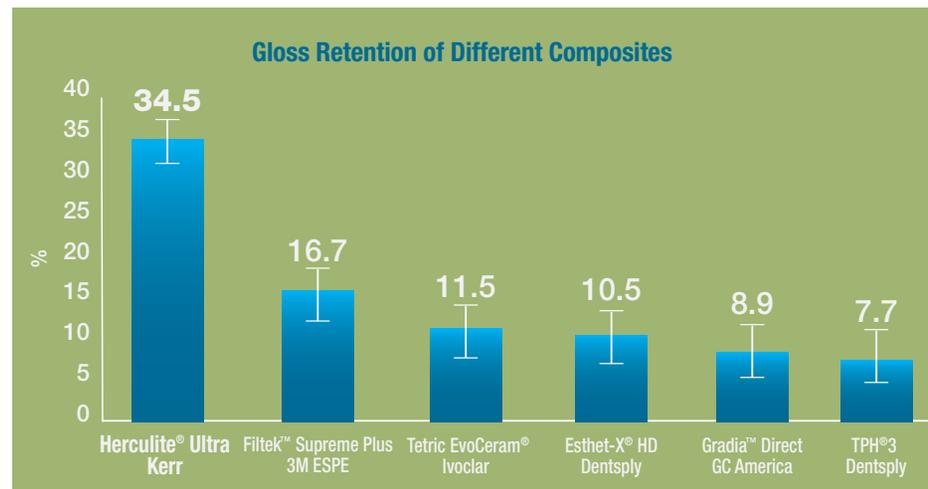
Herculite Ultra Anterior Technique



Case images courtesy of Dr. Chris Ho

Research

Herculite Ultra optimized resin matrix works in harmony with Kerr's 0.4 micron proprietary filler—as evident in our composite brands Point 4 and Premise—and nanotechnology to create the ideal composite. Three fillers—prepolymerized filler (PPF), nanoparticles (20 – 50 nm), and a submicron hybrid filler (0.4 micron)—work together to achieve the ultimate esthetics and strength. The Herculite resin matrix is now optimized to yield creamy yet sculptable handling.

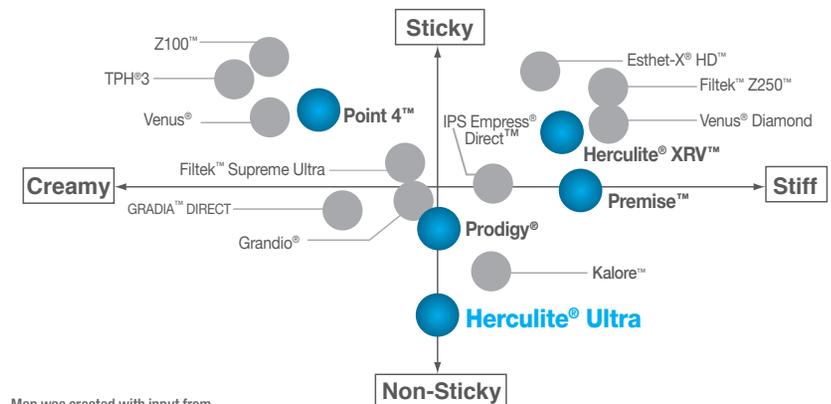


Gloss is measured after cured specimens are toothbrush abraded at 10,000 cycles (350 g pressure, 90 strokes per minute). Study conducted by Nova University. Data available upon request.

Physical Properties

Load Weight (%)	78
Flexural Strength (MPa)	135
Flexural Modulus (MPa)	9400
Compressive Strength (MPa)	462
Volumetric Shrinkage (%)	2.7
Gloss 60 Degrees (Leco)	41
Gloss 60 Degrees (Toothbrush)	52
Radiopacity (% Aluminum)	250

Handling Comparison Map



Map was created with input from various clinicians and Kerr R&D.

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Ordering



34333 Herculite Ultra Intro Kit
 10 Herculite Ultra Unidose® Tips (2 g) in A2, 10 Herculite Ultra Unidose Tips (2 g) in A1, 1 Revolution® Formula 2™ Flowable Syringe in A2 (1 g), 10 Revolution Flowable Tips, 1 Large Gray Composite Gun, 20 OptiBond® All-In-One Unidose Tips (3.6 ml), 50 Disposable Applicators

Herculite Ultra Syringe Refills

34337 A1 Enamel	34774 C3 Enamel
34338 A2 Enamel	NEW 35165 C4 Enamel
34339 A3 Enamel	34775 D2 Enamel
34447 A3.5 Enamel	NEW 35155 D3 Enamel
34771 A4 Enamel	NEW 35156 D4 Enamel
34340 B1 Enamel	34342 A2 Dentin
34772 B2 Enamel	34343 A3 Dentin
NEW 35153 B3 Enamel	NEW 35157 B1 Dentin
NEW 35154 B4 Enamel	34344 Light Incisal
34341 C1 Enamel	34336 XL
34773 C2 Enamel	

Herculite Ultra Unidose Refills

34347 A1 Enamel	34779 C3 Enamel
34348 A2 Enamel	NEW 35166 C4 Enamel
34349 A3 Enamel	34780 D2 Enamel
34448 A3.5 Enamel	NEW 35161 D3 Enamel
34776 A4 Enamel	NEW 35162 D4 Enamel
34350 B1 Enamel	34352 A2 Dentin
34777 B2 Enamel	34353 A3 Dentin
NEW 35159 B3 Enamel	NEW 35163 B1 Dentin
NEW 35160 B4 Enamel	34354 Light Incisal
34351 C1 Enamel	34346 XL
34778 C2 Enamel	

Complementary Products

Bonding Agents

OptiBond® All-In-One
 OptiBond® Solo Plus™
 OptiBond FL®



Curing Lights

Demi™ Plus L.E.D. Light Curing System
 Optilux 501

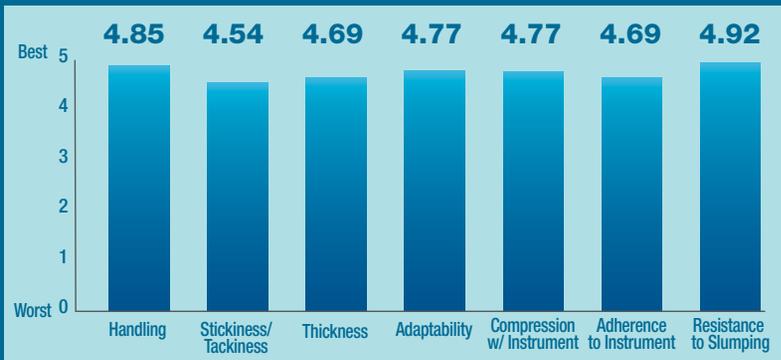


Flowable Composites

Vertise™ Flow
 Revolution Formula 2
 Premise™ Flowable



Here's what clinicians are saying about Herculite Ultra



Data available upon request.

90% of focus group attendees said they would purchase Herculite Ultra over their current composite.

“Adapts really well, not sticky at all, really sculptable.”

“Superb for a nanohybrid. Best composite ever.”