



Filtek™

One Bulk Fill Restorative

Competitive Comparison

3M™ Filtek™ One Bulk Fill Restorative

Manufactured by 3M



VS

SonicFill™ 2 Single-Fill™ Composite System

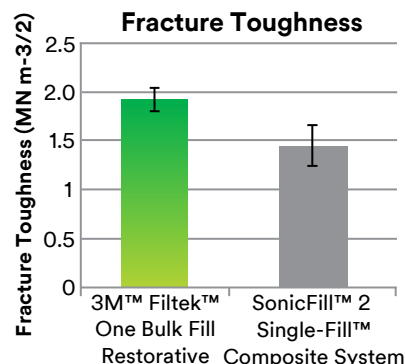
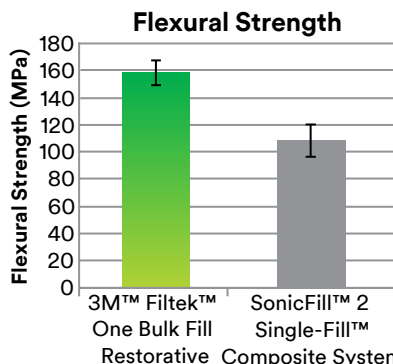
Manufactured by Kerr™

Q Do I need a special device to improve the adaptation and efficiency of my posterior restorations?

A No. The unique capsule design and viscosity for 3M™ Filtek™ One Bulk Fill Restorative allows for excellent handling and adaption for bulk-filled restorations without a special device. In a simulated operatory setting, Filtek One Bulk Fill Restorative, delivered through its unique capsule, adapted better to Class II restorations and had fewer proximal margin defects than SonicFill™ 2 Single-Fill™ Composite System.

Q How can Filtek One Bulk Fill Restorative increase my confidence for durable restorations?

A The unique chemistry of Filtek One Bulk Fill Restorative results in flexural strength and fracture toughness significantly higher than that of SonicFill™ 2 Single-Fill™ Composite System. Because of these properties, you can be confident using Filtek One Bulk Fill Restorative in stress-bearing posterior restorations.



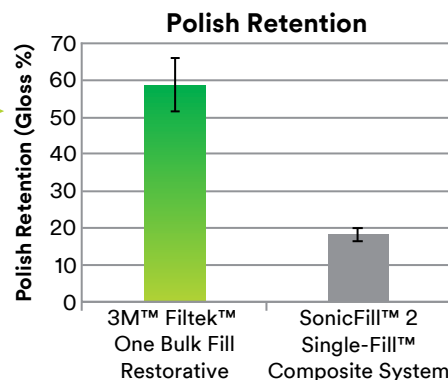
Mechanical properties: 3M™ Filtek™ One Bulk Fill Restorative exhibits significantly higher flexural strength and fracture toughness when compared to SonicFill™ 2 Single-Fill™ Composite System.

Source: 3M internal data

Q How can Filtek One Bulk Fill Restorative enhance the esthetic outcome of my restoration?

A The unique nanofiller technology of Filtek One Bulk Fill Restorative allows for the management of opacity, as well as achieving and retaining a highly polished surface. Filtek One Bulk Fill Restorative has a significantly higher level of polish retention compared to SonicFill™ 2 Single-Fill™ Composite System.

Filtek One Bulk Fill Restorative with 100% nanofiller technology provides more than 2X the polish retention.



3M™ Filtek™ One Bulk Fill Restorative

Manufactured by 3M

- Composition:** Resin: AFM, DDDMA, ERGP-DMA, AUDMA
Filler system:
- Non-agglomerated/non-aggregated 20nm silica filler
 - Non-agglomerated/non-aggregated 4 to 11nm zirconia filler
 - Aggregated zirconia/silica cluster filler (comprised of 20nm silica and 4 to 11nm zirconia particles.)
 - Ytterbium trifluoride filler consisting of agglomerate 100nm particles
 - Filler loading: 76.5% by weight (58.5% by volume)

- Indications:**
- Direct anterior and posterior restorations (including occlusal surfaces)¹
 - Core build-ups
 - Splinting
 - Restorations of deciduous teeth
 - Extended fissure sealing in molars and premolars

- Manufacturer's Claims:**
- True nanotechnology provides excellent wear resistance and polish retention
 - Increased opacity for improved esthetics
 - Excellent handling and adaptation
 - Unique AFM monomer provides stress relief to enable bulk filling and curing
 - One-step placement up to 5 mm
 - Class II depth of cure is 5 mm when cured occlusally (10s), buccally (10s) and lingually (10s) with a greater than 1000 mw/cm² curing light
 - Designed to work with 3M™ Scotchbond™ Universal Adhesive, 3M™ Sof-Lex™ Diamond Polishing System and 3M™ Elipar™ DeepCure-S Curing Light

- Shades:**
- Shades: A1, A2, A3, B1 and C2
 - All shades are radiopaque
 - All shades are available in 4g syringes and 0.2g capsules

SonicFill™ 2 Single-Fill™ Composite System

Manufactured by Kerr™*

Resin: Poly(oxy-1,2-ethanediyl), a,a'-[(1-methylethylidene)di-4,1-phenylene]bis[ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy] and 2,2'-ethylenedioxydiethyl dimethacrylate

- Filler system:
- Titanium dioxide
 - Nano-Zirconium oxide
 - Amorphous silica
 - Mineral wool fiber
 - ~69% filler (SonicFill 83.5% by weight)

- Direct placement in all cavity classes in anterior and posterior teeth
- Base/liner material
- Repair enamel defects, provisionals, porcelain restorations
- Minor occlusal build-ups
- Pit and fissure sealant
- Luting of composite/ceramic veneers
- Core build-ups and incisal abrasions

- The non-sticky, non-slumping nature of the material allows for quick, easy shaping and sculpting
- Low polymerization shrinkage stress
- 5mm in depth cure in a single bulk increment
- Outstanding adaptation
- Better aesthetics and wear resistance
- Less sensitivity to ambient light

- Shades: A1, A2, A3 and B1
- Available in 1.25g SonicFill Unidose Tips

1. See Instructions for Use for full list of indications.

*Information obtained from Kerr website November 2016.

www.3M.com



3M Oral Care
2510 Conway Avenue
St. Paul, MN 55144-1000 USA
Phone 1-800-634-2249
Web 3M.com/dental

3M Deutschland GmbH
Location Seefeld
3M ESPE • ESPE Platz
82229 Seefeld • Germany
Info3MESPE@mmm.com
www.3MESPE.com

3M, Elipar, Filtek, Scotchbond and Sof-Lex are trademarks of 3M or 3M Deutschland GmbH. Used under license in Canada.
© 3M 2016. All rights reserved. All other trademarks are not trademarks of 3M.