

20 PREVIOUS EVALS 42 YEARS EXP

It was easy to use, easy to sculpt, and has good chemistry.

Alan Howard, DMD Encino, CA



3 PREVIOUS EVALS 28 YEARS EXP

The heavy body density of the material ensures a great interproximal contact

Glen Willis, DMD Rock Hill, SC



3 PREVIOUS EVALS 16 YEARS EXP

I like how the opacity blends in on posteriors.

Lourdes Calvo, DDS Boca Raton, FL

DIADENT

DiaFil

DiaFil combines the esthetic benefits of microfilled composites with the durability of hybrids for strong, highly esthetic anterior and posterior restorations

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While patients expect their restorations to be beautiful, functional, and long-lasting—regardless of where in the mouth those restorations are placed—dentists know that selecting a composite can sometimes involve a trade-off. One material might provide the strength and durability needed for long-term function in posterior stress-bearing areas, but may fall short of offering the esthetics needed in the anterior—and vice versa.

In a perfect world, dentists wouldn't need to consider sacrificing esthetics for strength in the posterior, or strength for appearance in the anterior. And that is precisely why, by harnessing the latest in nanoparticle technology, DiaDent's DiaFil combines and maximizes the esthetic advantages of microfilled composites with the strength and durability of hybrid composites. The result is a light-cured nanohybrid composite that creates durable and highly esthetic restorations in both the posterior and anterior.

Because of its versatility for anterior or posterior restorations, DiaFil met Dr. Glen Willis' expectations for a composite with "sufficient posterior contact strength" and also helped Dr. Robert Wilkin achieve his goal of optimal esthetics in anterior restorations. Dr. Willis, who prefers a heavy body composite for posterior restorations, said, "The heavy body density of the material ensures a great interproximal contact." Dr. Wilkin was "very impressed" with DiaFil's "great shade matching, great esthetics, polishability and shine, and chameleon effect," explaining that he "created some beautiful teeth with this product. It's my 'go-to' composite at the moment."

Placement & Handling

Clinicians can choose syringes or capsules in a variety of shades, with 12 shades in syringes: A1,



A2, A3, A3.5, A4, B1, B2, B3, C2, C3, A2O, A3O; and 5 shades in capsules: A1, A2, A3, A3.5, B2. Formulated for user-friendly placement and handling, DiaFil does not slump or stick to instruments, adapts well to margins, is easily sculpted, and can be polymerized in only 20 seconds, according to DiaDent.

Several evaluators commented on DiaFil's ease of use, including Dr. Alan Howard, who said it was "easy to sculpt and has good chemistry." Dr. Wilkin described it as "very easy to work with," and Dr. Philip Aurbach said, "It flowed fairly well into cavity preparations." Louis Sterling, DDS, said it "handled very well and held its form after placement, prior to curing," and Mitchell Pasenkoff, DMD, identified "firm handling of the material" as his favorite feature. Noting that the material did not slump, Dr. Peter Noto said, "It set up very quickly under my light on my loupes." Dr. Wilkin

takeaways

- Creates durable, highly esthetic restorations in posterior and anterior
- 12 shade options in syringes and 5 shades available in capsules
- Offers high tensile and compressive strength and is resistant to fracture
- Will not slump or stick to instruments, adapts to margins, is easily sculpted, & polymerizes in 20 seconds
- Excellent esthetics with optimal translucency, opalescence, fluorescence, and color stability



F. Robert Wilkin, DDS
Chicago, IL

"I created some beautiful teeth with this product. It's my 'go-to' composite."

said the composite seemed to dry up and suggested a tighter fitting cap as a possible solution.

Versatility for Anterior & Posterior

Appreciating DiaFil's versatility, Dr. Howard and Dr. Sterling said they used the product successfully for both anterior and posterior composite restorations. Dr. Spalitto said it resulted in "good looking" restorations in the cosmetic zone, and Dr. Wilkin said the composite contributed to successful outcomes in anterior esthetic cases. After using DiaFil for multiple posterior and anterior restorations, Dr. Aurbach described it as "perfectly fine for posterior" but said he prefers his current brand for anterior work.

Final Restoration: Strength & Esthetics

DiaFil's exceptional physical properties yield restorations with excellent fracture and wear resistance, and high tensile and compressive strength ensures lasting results, according to DiaDent. Unique fillers lessen polymerization shrinkage, reducing postoperative sensitivity and secondary caries due to marginal leakage. Shades match with tooth structure for easy finishing and polishing, and finished restorations exhibit optimal translucency, opalescence, fluorescence, and a lasting high-gloss shine with color stability.

"This product is thick and dense, and the heavy body (condensable) composite helped established interproximal contact,"

described Dr. Willis. "The material appears opaque upon placement but blends very well once light cured," he added. Lourdes Calvo, DDS, said she likes how the opacity blends in on posteriors. Prior to using DiaFil, Dr. Pasenkoff was hoping to find a composite that provided shade consistency, good polishability, and a lack of staining. He said the material "fulfilled my need for shading and polishability," but he needs more time to evaluate staining. Dr. Sterling said DiaFil offered "high polishability," and Dr. Louis Pahopos called it a "great product" that produces "nice restorations."

Overall Satisfaction

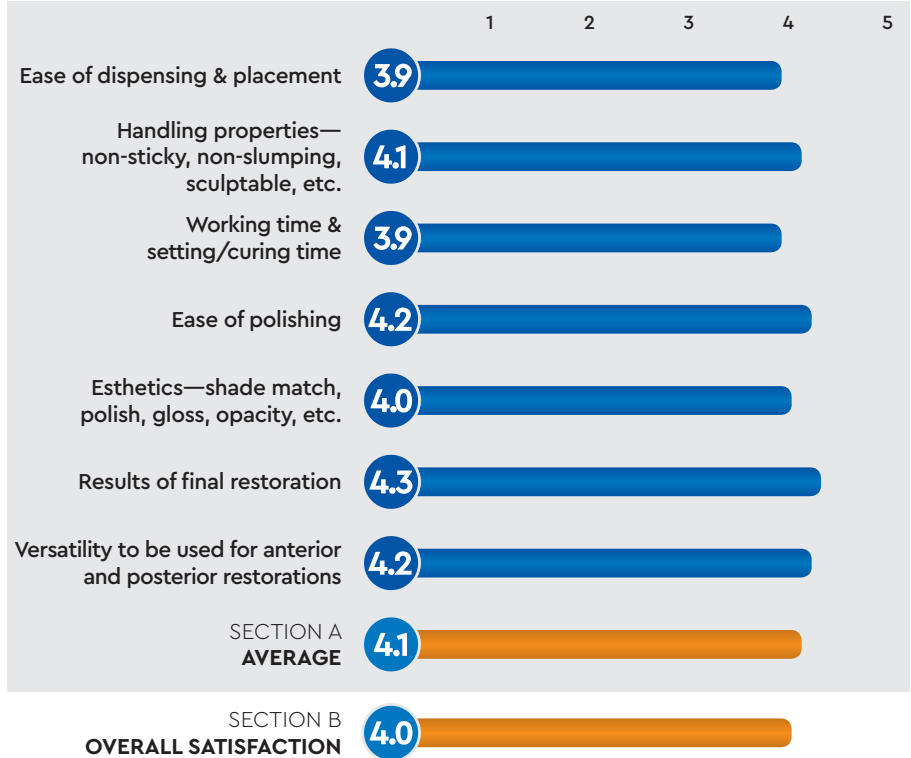
Noting that he would recommend DiaFil to his colleagues, Dr. Sterling called it "a very good, workable composite resin," and Dr. Willis commented, "If you like a packable/condensable composite, this is the material for you." Dr. Wilkin said it made restorative work more fun and added, "The product speaks for itself. I loved this material!"

FOR MORE INFORMATION:

877.342.3368
www.diadent.com

PRODUCT EVALUATION SNAPSHOT

CRITERIA BASED ON AVERAGE SCORE (OUT OF 5)



DIADENT
DIAFIL

FINAL SCORE
AVERAGE OF SECTIONS A AND B

4.1

Dental PRODUCT SHOPPER
RECOMMENDED PRODUCT