

3M ESPE
800.634.2249
www.3MESPE.com

Description

3M ESPE Filtek Supreme

is a universal composite for anterior and posterior use. The composite is filled 57-60% by volume with 5-20 nm particles and 60-140 nm clusters of particles.

The composite is available in dentin, body, enamel, and translucent shades. All shades, except for the translucent shades, are radiopaque. Curing time for 2-mm increments is 20 seconds for enamel, body, and translucent shades. For dentin shades, curing time for 1.5-mm increments is 40 seconds. **3M ESPE Filtek Supreme** is available in both syringes and unit-dose capsules in 35 shades. This product received a 97% rating.

Clinical Evaluation Protocol

- Over 1200 restorations have been placed as part of an ongoing clinical evaluation of **3M ESPE Filtek Supreme**. Additional restorations are continuing to be placed.
- Various 5th- and 6th-generation bonding agents were used.
- This report contains data regarding restorations that have been in place for three years or more. (Figures 1 and 2)



3-YEAR CLINICAL PERFORMANCE

Consultants' Comments

- ▶ "Surface texture is very smooth."
- ▶ "Excellent esthetics with a single shade."
- ▶ "Material handles nicely during placement – it is easy to sculpt and does not stick to instruments."
- ▶ "I would like to see an increase in strength in this composite."

- 501 restorations in 274 patients were available for evaluation of clinical performance at three years.
- 18 anterior and 483 posterior restorations were evaluated, 65% of which involved one or two interproximal surfaces.
- Restorations were evaluated on a 1-5 rating scale: 1 = poor, 2 = fair, 3 = good, 4 = very good, 5 = excellent

Clinical Observations

Resistance to Fracture/Chipping

Eighty-nine percent of restorations recalled showed no chips or fractures at three years. Slight chipping occurred on 10% of the restorations, mainly at the marginal ridge of interproximal restorations or at the tooth/filling interface. None of these restorations required replacement; some were refinished or recontoured. One posterior restoration had a more significant chip that did require a repair. Two restorations fractured and were subsequently replaced.

soothe + + + + +

Southern Dental Industries
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www.sdi.com.au

Description

soothe is a colorless and tasteless, topical desensitizing gel containing 6% potassium nitrate and 0.1% fluoride ions. It is designed to relieve tooth sensitivity caused by chemical and thermal changes. The manufacturer suggests using it before and after bleaching procedures. It can be applied either in the dental office or given to the patient for use at home. **soothe** is packaged in plastic dispensing syringes (four, 1.2-ml syringes per kit). The gel should be rubbed onto the affected area for two minutes at each application

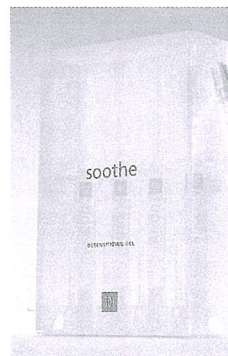
and repeated every 2-3 hours until symptoms are gone. **soothe** was evaluated by 20 consultants in 115 cases. This product received an 88% clinical rating.

Suggested Retail Cost

- \$16.50/package

Product Features

soothe is packaged with syringes of material and brief instructions. Written instructions are to rub the desensitizer onto the teeth. The written instructions are minimal, and more detailed directions with



Shade Match/Esthetics

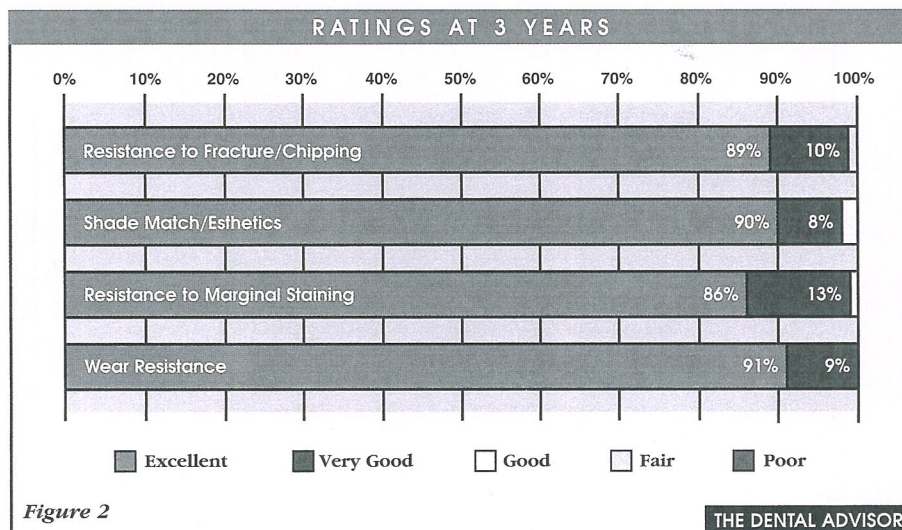
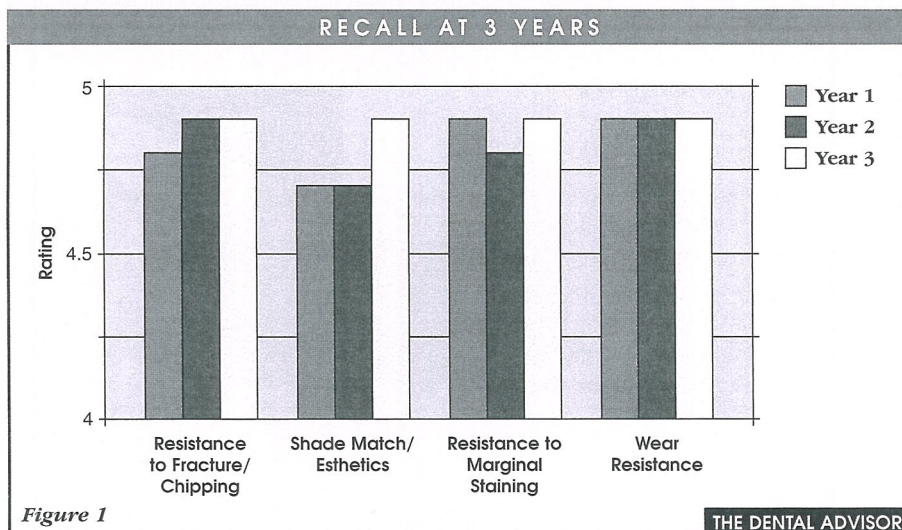
3M ESPE Filtek Supreme restorations maintained a highly esthetic appearance at three years. Ninety-eight percent of the restorations were rated excellent for shade match and blending. Consultants noted that an overwhelming number of restorations were undetectable. Surfaces were generally smooth with a high level of gloss.

Resistance to Marginal Staining

Eighty-six percent of restorations exhibited no marginal discoloration at three years. Mild staining was noted in a number of restorations. Many of these areas of staining occurred at the margins exhibiting chipping. Only one restoration was observed to have deep marginal staining, requiring replacement of the restoration due to suspected bond failure.

Wear Resistance

All **3M ESPE Filtek Supreme** restorations received ratings of very good to excellent for wear resistance. Consultants evaluated the surfaces of the restorations visually for signs of wear. Occlusal anatomy and continuity with the tooth surface were well maintained. No wear facets on the composite surface were observed. ■



photos showing usage both in the office and at home were suggested. Consultants and patients found it easy to apply with a brush. The viscosity of the gel is low and tends to run out of a bleaching tray. The need for repeated applications, each with a two-minute rub, was reported as time-consuming. Sixty-six percent of consultants found **soothe** to be equivalent to or

better than their current topical desensitizer. Forty percent of the evaluators would switch to **soothe** and 50% would recommend it to colleagues.

Clinical Tips

- Dispense from the syringe slowly as the gel will flow easily.
- Use a fiber-tipped applicator to apply in the office.
- Dry the teeth with gauze before application so the gel will stay in place. ■

Consultants' Comments

- ▶ "Effective after in-office bleaching."
- ▶ "Offer the desensitizer in various flavors."
- ▶ "Improve written instructions."
- ▶ "Make it thicker or in a foam vehicle for tray and localized use."