

PREP PANEL ASSESSMENT OF LITE-FIL II

F J T Burke

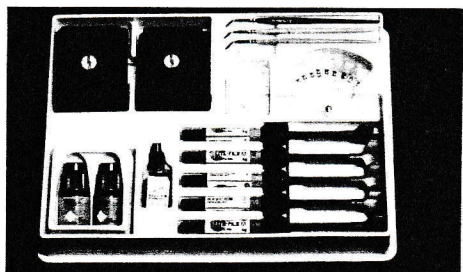


FIG 1

EVALUATION IN CLINICAL USE

- + Presentation of kit rated good or excellent by 83% of evaluators.
- + 66% of evaluators rated the bonding system as good, with the colour-coded kit being considered easy to use. Only adverse comments related to the time necessary to complete the bonding procedure.
- + In both anterior and posterior use, Lite-Fil II scored 86% in terms of convenience of dispensing and placement.
- + Material did not stick to instruments.
- + 66% of evaluators considered that the material flowed satisfactorily when a matrix was applied.
- + 66% of evaluators considered that the restorations were easily trimmed and polished using the Shofu stone and disc systems supplied.
- + Working time considered adequate by 83% of evaluators.
- + Number of shades considered adequate by 83% of evaluators.
- + 66% (n=4) of evaluators experienced no difficulty with the material.

Optical properties rated:

Too transient							Too opaque
5	4	3	2	1			

Mean 3.5

50% of evaluators considered that the material was completely acceptable.

- Adverse comments by the other evaluators related to the instructions for the bonding agent and to a perceived excessive translucency in some shades.

Comparison with operators' previous composite system

66% of evaluators considered Lite-Fil II to be superior, 34% considered it to be similar in acceptability.

Name of product:
Lite-Fil II (Fig 1).

Company name/UK suppliers:
Shofu Inc, Japan
Shofu Dental Products Ltd, Tonbridge, Kent

Product description:
Visible light-activated small particle hybrid composite material for use in anterior and posterior restorations

Number of evaluators:
Six

Total number of restorations placed:
340 anterior, 77 posterior

CONCLUSION

The Shofu Lite-Fil II composite restorative system and the associated dentine bonding system and curing light were assessed by six members of the PREP panel, who placed a total of 340 anterior and 77 posterior restorations using the systems. Based on this considerable evaluation the main concerns identified were that: some shades of the composite restorative material were too translucent; the brushes provided should ideally be disposable; and the dentine bonding system was time consuming to operate.

However, in general, the Shofu Lite-Fil II composite system was found to perform satisfactorily and to compare favourably with other materials with which the operators were familiar, with

Continued on facing page

REP PANEL ASSESSMENT OF ELASTOMER

Name of product:
Elite (Fig 1)

Company name/UK suppliers:
Zhermack, Rovigo, Italy
Firmadenta, Sudbury, Suffolk

Product description:
Polyvinyl siloxane putty/wash impression material

Number of evaluators:
6

Total number of impressions taken:
112

LITE-FIL II

From facing page four of the six evaluators being prepared to purchase the material if available at average cost.

The manufacturers have now addressed the criticisms of their material.

Acknowledgements

The author acknowledges the support of Shofu Dental Products Ltd in supplying the materials used in the evaluation. The Department of Medical Illustration, Manchester Royal Infirmary, provided the illustration used in Figure 1.

Shofu comments

Shofu Dental Products Ltd consider independent PREP-panel reports a vital part of new product development. We are pleased with these results and are addressing the points raised.

Our aim of course is to develop what the dentist requires. Lite-Fil II A and P begin a new era for Shofu with our first resin based anterior and posterior restorative coupled with Impervar our multi-purpose bonding agent. Our dual cure cement will add further scope to our extensive clinical range.

Telephone Shofu on 0892 870800 and ask for your free syringe of Lite-Fil II.

Roche leaflet

ROCHE Consumer Health which markets Interdens dental sticks, has launched a new leaflet—"Talking Teeth and Oral Hygiene"—which tackles the subject of tooth decay and gives advice on how to prevent it and on maintaining an effective oral hygiene regime.

The leaflet encourages people to eat sensibly, taking care not only to avoid foods containing raw sugar but those containing hidden sugars as well; they are also advised to brush their teeth regularly and thoroughly and to visit their dentist on a regular basis.

In addition, the leaflet tackles the question of periodontal disease, explaining the vital part dental sticks and floss play in any oral hygiene routine.

Interdens dental sticks, which are made from Norwegian pinewood impregnated with a medicated breath freshener, are triangular in shape and come in a convenient "comb".

Circle 1 on enquiry card

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Designed by GIUGIARO-DESIGN (Nikon, JVC, Samsonite)



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