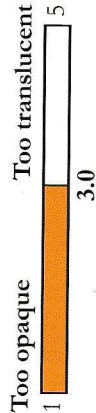


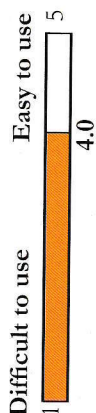
evaluators stated that the material had sufficient working time in clinical use. 92% (n=11) of the evaluators also stated that the restorations were easily finished using their normal polishing system.

92% (n=11) of the evaluators stated that the restoration margins were satisfactory from a visual point of view. When the evaluators were asked to assess the translucency/opacity of Miris, the result was as follows:



Comments noted were: “too translucent at first, but better with experience” (three); “need time to get your eye in” (two); and “found it difficult to shade-match”.

The evaluators rated the ease of use of Miris as follows:



Only one of the evaluators (8%) thought the number of shades provided was inadequate, with 92% (n=11) of the evaluators using a layering technique. Also, 67% (n=8) felt that the range of shades and the shade guide enabled them to place more aesthetic restorations.

Comments relating to the Miris shade guide included: “really liked the shade guide ‘layering’ idea”; “long learning curve – then good results”; “needs hands-on course to master technique”;

The most frequently used shades and opacities were as follows (no reply from two evaluators):

(a) <i>Shade</i>	5 evaluators
S2	4 evaluators
S3	1 evaluator
S4	
(b) <i>Opacity</i>	3 evaluators
IR	3 evaluators
NR	
(c) <i>Combination</i>	2 evaluators
S2/IR	1 evaluator
S2	2 evaluators
S3 or S4/NR	1 evaluator
S1/DB	2 evaluators
S2/NT	1 evaluator
S3/NT	1 evaluator
S2/NR	1 evaluator

Overall, 83% (n=10) of the evaluators were satisfied with Miris. If the Miris system was available at a cost of £240, 58% (n=7) of the evaluators would purchase and at a cost of £300, 33% (n=4) would purchase. 75% (n=9) of the evaluators would recommend Miris to colleagues. Final comments included: “I need practice – to get the best results” (two); “the real selling point for me was the video ‘tutorial’. Very good idea and the shading layers are neat”; “so easy to polish”; “shade guide clever but not Vita shades”; “needs a lot of practice – beyond most GDPs?”; “very nice material to use and patients delighted. Shade guide initially unclear, but once mastered, no problem”; “restorations have greater vitality than other layered systems”; “viscosity and flow ideal –

## Discussion

The Coltene Miris system has been subjected to an extensive evaluation in clinical practice by members of the PREP panel in which 344 restorations were placed. Based on this, the following conclusions may be made:

### Presentation

The kit scored well in terms of the completeness of the system and arrangement of the components (4.6 and 4.5 on a visual analogue scale, where 5 is excellent and 1 is poor), but it was considered bulky.

### Aesthetic quality

A majority of evaluators had not used a “layering” composite prior to the

### Ease of use

Overall, 83% (n=10) of the evaluators were satisfied. Principal

## PREP Panel Evaluation

Continued from page 27

comments related to mastering the shade selection technique and indicated a hands-on course may be beneficial.

That the material was well received is indicated by:

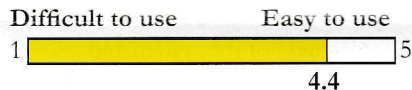
- The 83% of evaluators who stated they were satisfied with Miris.
  - The majority (58%) that would purchase at a full pack price of £240.
  - That 75% of the evaluators would recommend the system to colleagues.
- Illustrations of restorations placed using Coltene Miris are presented in **Figures 1 to 4** (previous page).

## Clinical evaluation of One Coat Self etching bond

### Background information

One evaluator (9%) used two different systems. The principal reasons for the choice of these materials were good results and ease of use. Other reasons reported were speedy, respected manufacturer, good published data, one-step, low post-operative sensitivity, effective desensitiser, and could be used as a separator for instruments.

The ease of use of the currently used bonding system was rated as follows:



Evaluators rated the presentation of the material as follows:



One evaluator commented: “too much packaging, otherwise excellent”. The evaluators rated the instructions inside the lid as follows:



The total number of restorations placed during the evaluation was 371. When the evaluators were asked if One Coat Self etching bond was used for other applications, five (45%) stated that they used the material for the treatment of dentinal hypersensitivity. Regarding One Coat Self etching bond liquid

syringe dispenser, 64% (n=7) of the evaluators stated that the dispenser worked satisfactorily.

Comments made by the evaluators included: “not applicable – single dose used” (three); “very fiddly – tips over”; and “would a foil lid on packs be better, and use a standard brush?”.

73% (n=8) of the evaluators stated that the liquid was easily applied using the sponge tip. 82% (n=9) of the evaluators stated that the One Coat Self etching bond liquid was easily applied to the tooth surface. All the evaluators stated that the solvent-free formula maintained its viscosity throughout the trial, and also that the viscosity provided a drip-free application and massaged to an even layer.

Other comments on the One Coat Self etching bond liquid were: “difficult to see and to judge amount applied” and “some patients commented on the taste”. 73% (n=8) did not notice a typical frosted appearance on the enamel surface. 73% (n=8) of the evaluators felt that it was an advantage of One Coat Bond SE, over other systems using phosphoric acid, in not having to wash off etching liquid.

When asked to compare the application of One Coat Self etching bond liquid to the application of other resins previously used, the result was as follows:

<b>Better</b>	4 evaluators
<b>Worse</b>	2 evaluators
<b>Messier</b>	3 evaluators
<b>Less Messy</b>	2 evaluators

Comments by the evaluators who stated “worse” or “more messy” included: “two stages and blowing air spreads bond over margins which can cause problems” and “fiddly brushes”.

When the evaluators were asked if One Coat Self etching bond was faster or slower than the bonding system normally used, the result was as follows:

<b>Faster</b>	3
<b>Same</b>	6
<b>Slower</b>	2

Comments made by the evaluators when asked if there were any changes considered essential to the acceptability of One Coat Self etching bond

included: “needs more robust sponge tips and more liquids in the tubes” (four); “not easy to angle brush tips once loaded” (two similar); “generally I don’t like self-etch systems – I need long-term results to convince me” (two similar); and “excellent for dentinal hypersensitivity”.

## Discussion and conclusions

The Coltene One Coat Self etching bond system has been subjected to an extensive evaluation in clinical practice by members of the PREP panel in which 371 restorations were placed. Based on this, the following conclusions may be made: the material scored well in terms of the presentation of the system, and instructions on the lid and the laminated card. The majority of evaluators (82%) found the One Coat Self etching bond system similar to or faster than the previously used dentine bonding system and the same number stated that their dental nurse experienced no difficulties with the system. However, a notable number of evaluators (36%) commented on the application tips disintegrating too easily.

Five (45%) of the evaluators stated that they would purchase the system at average cost. It is possible that this figure would be improved if the comments made, especially in regard to the application tips, were acted upon.

## Manufacturer’s comments

On behalf of Coltene/Whaledent we would like to thank the PREP panel for a very balanced evaluation of Miris2; the value of such a study is so important for research and development to

produce products for now and the future. The comments made are from general practitioners and this is the sharp end of dentistry.

We would like to comment that with the new layering composites that do not use the Vita shade guide, it is useful to attend a workshop or lecture to best understand the natural layering materials, as these products are mimicking the living tooth instead of a porcelain shade guide.