



Catapult Coterie Product Evaluation Summary

GC Kalore™ Composite Resin - Executive Summary

There is no question that composites have come a long way in their generations of development. Overall the group rates their current composites "very satisfied" across the board and five years ago, such remarks didn't occur. This is how far composite themselves and their properties have transcended into acceptance and yet as dentists we absolutely want more because these procedures have continued to be time-consuming and often with mixed long-term results. As a group, the Catapult clinicians placed hundreds of anterior and posterior restorations and their results as you read were found to be very favorable about your new Kalore™.

One very important category that was noted as a "key highlight" is the Kalore™ chameleon effect and the importance of this cannot be minimized. Color as noted by the doctors, is rarely a dual application in the posterior and in fact 65% of the Catapult doctors use one color for posterior restorations 90% of the time and in fact 90% of the doctor's rarely place 2 colors posteriorly. Thus, in our minds a chameleon effect with one color becomes a wonderful characteristic for the material. In our anterior restorations, the numbers flip flop and the majority of our doctors using enamel and dentin shades conjointly. With all this said, the majority of clinicians in North America we believe generally use one color and our group found that 65% of the restorations had full chameleon affect with usage of one appropriate color. In adding up the percentages, 95% of the restorations had this affect more than ½ the time. This is a huge advantage to this product in the market place because doctors want easier esthetics without question.

In following along with the most advantageous features, our doctors found them to include:

- Ease of Polish
- Resistance to slumping
- Chameleon effect
- Polish to high luster

These comments all focus on end results and the group overall rated these groups 90% satisfied to very satisfied, which came out throughout report in the doctor's comments.

The doctors also clearly feel the stress/shrinkage issues are very important with this material and the message is a very solid message to be both marketed and educated to the end users. In fact, only one doctor was unconcerned about the topic and this again reinforces the importance of the chemistry.

Regarding handling, the comments again show the individuality of each reviewer and most found the material very acceptable and yet some concern regarding: *adherence to the instrument, thickness and carvability*. These concerns all relate to the consistency of the material and there are comments again in the report that discuss these issues. Long and short, unless you make 3 viscosities that are creamy, medium and thick, there is no perfect handling material and yet creamy still appears to be a very desirable characteristic for many users though in this group, that cannot be said!

Thus the question was Kalore™ reviewed favorably and the answer is absolutely. 80% of the evaluators would purchase this composite and that in itself is the highest compliment because as stated in the beginning of this letter, most doctors are very happy with their current composite. The stress/shrinkage story equally is a must to tell to support the beauty of this material. The majority of the doctors found the shade system complete and there are also a variety of suggestions for additional colors. In truth, most dentists use a limited amount of colors and many may find a smaller simplified kit with one or two enamels, the body colors and one or two dentin colors to be fully acceptable.

Congratulations on this wonderful material.

Lou Graham, DDS
President & Founder

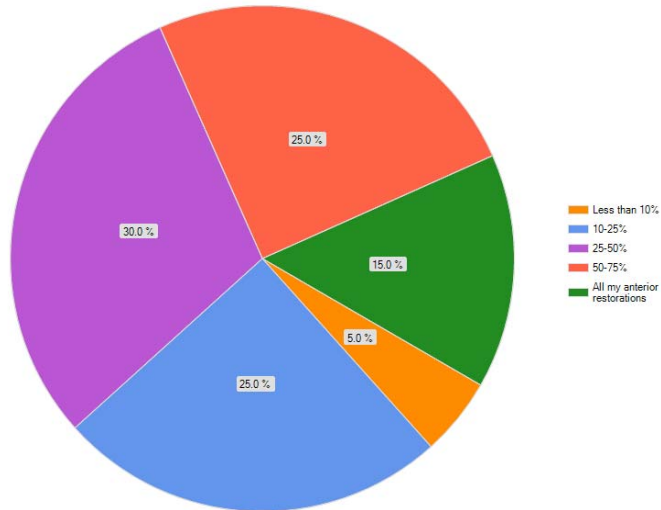
Mark Latta, DMD,MS
Consultant for Technical & Scientific Affairs





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1. How often do you use and enamel and dentin shade in layering anterior composite restorations?



Comments:

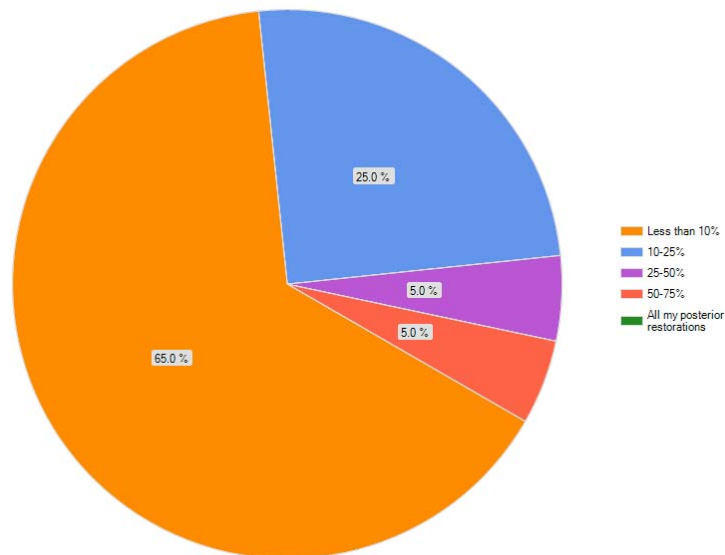
more for veneers and class 4's

Well, about 90% would be more accurate

depends on patient's desire as well

mostly on class 4's and direct veneers

2. How often do you enamel and dentin in layering posterior restorations?





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3. What composite brand do you use most often in your practice?

Majesty,,Venus Diamond, Ceram-x, Herculite Ultra,

Z-250, Tetric Evo Ceram

PREMISE/ HERCULITE

discus matrix

Filtek Supreme Plus

Kalore

Dentsply Esthet X

Currently I have purchased GC Kalore

Filteck Supreme

Ice and .4

EsthetX HD

Venus

Kalore

Filtek

GC Gradia

Premise, Herculite Ultra, Estelite Sigma, Filtek Supreme.

Filtek Supreme Plus

Filtek supreme

Kalore, Herculite

Venus





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4. How would you rate your satisfaction with the materials you listed in question #3?

	1-Not satisfied	2	3-Moderately satisfied	4	5-Very satisfied	Rating Average
Handling	0.0%	0.0%	5.0%	40.0%	55.0%	4.50
thickness	0.0%	0.0%	0.0%	50.0%	50.0%	4.50
stickiness	0.0%	5.0%	10.0%	40.0%	45.0%	4.25
tackiness	0.0%	5.0%	15.0%	45.0%	35.0%	4.10
Adaptability	0.0%	0.0%	5.0%	35.0%	60.0%	4.55
Compression	0.0%	0.0%	10.0%	60.0%	30.0%	4.20
Adherence to the instrument	0.0%	10.0%	5.0%	45.0%	40.0%	4.15
Carvability/Create Anatomy	0.0%	0.0%	5.0%	50.0%	45.0%	4.40
Resistance to slumping	0.0%	0.0%	0.0%	44.4%	55.6%	4.56

5. Do you prefer:

Unidose	89.5%
Syringe	10.5%

Comments:

for posterior unidose is fine, anterior syringe
syringe for anterior, unidose is fine for posterior





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6. How would you rate your satisfaction with your Kalore™ based on the following characteristics?

	1-Not satisfied	2	3-Moderately satisfied	4	5-Very satisfied	Rating Average
Overall Handling	0.0%	0.0%	21.1%	36.8%	42.1%	4.21
stickiness	0.0%	5.0%	15.0%	25.0%	55.0%	4.30
thickness	0.0%	5.0%	20.0%	30.0%	45.0%	4.15
Adaptability	0.0%	5.0%	15.0%	30.0%	50.0%	4.25
Packability	0.0%	10.0%	5.0%	40.0%	45.0%	4.20
Adherence to the instrument	0.0%	15.0%	15.0%	35.0%	35.0%	3.90
Carvability/Create Anatomy	0.0%	5.0%	10.0%	45.0%	40.0%	4.20
Resistance to slumping	0.0%	5.0%	5.0%	25.0%	65.0%	4.50
translucency	5.0%	5.0%	5.0%	35.0%	50.0%	4.20
Chameleon effect	0.0%	5.0%	5.0%	30.0%	60.0%	4.45
Ease of polish	0.0%	0.0%	10.0%	30.0%	60.0%	4.50
Polish to high luster	0.0%	5.0%	5.0%	30.0%	60.0%	4.45

Comments:

Best composite I have ever worked with

creating anatomy was a little difficult, I felt it was stringy, could be a little thicker or waxier feel

a little too thick to adapt easily, too translucent to build up entire incisal area





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great product

very nice composite, very translucent and nice blend.

7. How did Kalore™ compare to your current composite?

	much better	better	the same	worse	much worse	Rating Average
Kalore vs. Current	10.5%	36.8%	31.6%	21.1%	0.0%	2.63

Comments:

This composite was one of the best composites I have used. Chameleon effect, polish are superior

HANDLING WASNT AS NICE

material seemed dry during initial application.

My current favorite composite

I like the thicker consistency of Kalore

the color was amazing, best out there right now

Great material but just a bit too thick. I would LOVE it if it was just a touch creamier.

8. With respect to gloss how does Kalore™ compare to the composite you most often use in your office?

	much better	better	the same	worse	much worse	Rating Average
Polish	21.1%	15.8%	57.9%	5.3%	0.0%	2.47

9. Which polishing system did you use with Kalore™? If you used more than one, which one worked best?

POGO

Enhance with prisma gloss

Both were equal in ability

Atropol

ASTROPOL

Shofu





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Enhance

Enhance and Astropol

komets polishing system and had very good results

one gloss, diamond impregnated bristle brushes

soflex and Jiffy brush

Jiffy cups

burs + soflex discs

enhance,pogo

Pogo points and cups, Enamelize polish

many, axis, shofu, ss white,

Komet Silicone polishing rotary instruments

Enhance/Jiffy Brush

Solflex

Enhance

I used many.

soft flex discs, shofu polishers, Komet polishers, Axis polishers, carbide and diamond finishers

Kerr hiluster and kerr optidisc

discs can't remember brand but believe soflex

10. How many posterior restorations did you do?

40

5

37

5

14

120





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fifteen
16
2
5
4
6
12
over 50
15
10+
50-60 restorations
30
4

11. How many anterior restorations did you do?

30
11
9
2
5
80
six
9
2
7
3





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4

3

over 20

30

None. Too thick
to manipulate easily

5

Approximately 10-15

10

4

12. Did you layer with enamel and dentin? How many restorations?

No - I did not have dentin and
enamel shades in my trial kit

2

YES (10)

none

3

90

4

3

No...I didn't have enamel
and dentin shades

I didn't have dentin shades?

yes

No





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about 10

15

No. Not necessary

yes - 8 restorations but
limited with choice of shades

Yes, about 5 restorations

yes in the anterior, 6/10

No, didn't have both

13. If you used just one shade did you find that the material had a chameleon effect?

100% invisible	20.0%
80% invisible	65.0%
60% invisible	10.0%
40% invisible	0.0%
20% invisible	5.0%
No good matches	0.0%



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14. How important is the shrinkage stress technology of Kalore™ to you?

	Very important	important	nice to have	mild interest	Not important	Rating Average
Shrinkage	60.0%	15.0%	20.0%	5.0%	0.0%	1.70

Comments:

Sensitivity has always been an issue for posterior composites and less shrinkage allows a margin of shrinkage as well as possibly less layering as confidence is built in using the material.

this is very important

Much more the stress and Yes, I think that is very important for posterior restorations. Makes me more interested in the products given I can achieve the same esthetic results as my current composite

I do not measure shrinkage

Extremely critical

15. What shades and opacities would you suggest for this material?

I would like a B-0 opaque shade for an incisal halo and translucency shade for anterior restorations

full 16 shade range in dentin shades, 5- opaque shades 4-5 enamels

A1,B1,A2, TRANS

A1 A2 A3 B2 B3 C1 bleaching shades.

I was pleased with the available shades

bleach enamel and dentin, A 1-3, B1, B5 dentin

Current selection is fine

needs a more opaque dentin shade to use in anterior buildups, otherwise is too translucent

a2

Bleach, B1, A1, A2

maybe a darker a5

Thus far the shades I've used are quite good!





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A3/A2/A1/B1 Dentin
A1/B1 Enamel

Full range to be able to offer a complete restorative system

I tend to like dark yellow for class 5's for geriatrics and otherwise I found the kit very complete

A-2/A-1/BW/AO2/WT/DT

all the common ones, a body and dentin. I rarely use enamel shades

16. Would you purchase over other offerings?

Yes	80.0%
No	20.0%

If no, why not?

Handling

Handling did not beat current material.

I like Ice and it's ease of use

I found it too viscous to easily adapt to tooth structure

17. Do you have any other observations regarding Kalore™?

This composite was one of the best composites I have used. Chameleon effect, polish are superior.

nice technology too sticky

POLISHING THE MATERIAL LOOKED GREAT, I WOULD LIKE TO SEE BETTER HANDLING

I loved the polish and it's general handling.

Unidose compule did not stay in composite gun as well as other materials.

Gray translucent is perfect enamel material

Excellent Handling for posterior regions that are harder to reach than anterior. Thickness seemed just right for condensing and contouring prior to curing. I actually loved the diameter of the unidose that seemed a bit larger than what I am currently using. Overall really impressed with it!!

Great stuff





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The thickness of the material takes a bit of getting used to, but overall this is a winner. When we run out of our existing materials, we will be ordering this for all our restorations. Excellent overall.

I really like this material

Very easy to handle and nice finish....I'd be willing to work with your company on promoting within my lectures. I wouldn't say that about all composite systems.

kalore is sticky to the instrument and I found myself being frustrated at times because of this, however like anything I adapted and used some glaze on the instrument to get around this problem.

