

Identium Impression Material

Kettenbach USA

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Great product detail.

Jeff Tippetts, DDS
Johnstown, CO

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I'm quite impressed with this product and truly enjoyed using it.

Fauzia Khan, DDS
Cordova, TN

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Identium impression material combines the best features of both A-silicone and polyether materials.

Most dental practices currently use primarily polyether and silicone materials in 1-step impression technique applications. Polyether is known for its good flowability, hydrophilic properties, and the precise impressions it delivers even if it is used in the moist sulcus environment. Polyether materials work well in intraoral processes while A-silicones offer better elasticity: the impression can be easily removed after it has been in the patient's mouth for a short period of time; any related deformations reset well; and patients tolerate the odorless and tasteless materials well.

Kettenbach's Identium was developed for the 1-step impression technique and combines the best of both worlds: all advantages of conventional polyether materials paired with those of A-silicones.

Ten dentist evaluators with a combined 208 years of experience participated in *Dental Product Shopper's* evaluation of Identium. They rated several features, including ease of use, flowability, margin detail, ease of removal, and overall satisfaction with the product.

Ease of Use

According to Kettenbach, Identium vinylsiloxane impression material is a new chemistry developed for the 1-step impression technique for many different clinical procedures.

When asked to rate the ease of use of Identium,



6 evaluators rated it as excellent, 3 rated it as very good, and 1 rated it as good. An evaluator with 15 years of experience said, “[It] was very easy to use. You can use your existing machine and margins were easy to read. No re-do’s or any complaints from the lab.” An evaluator with 7 years of experience said he “liked the ease of use and its ability to do well in slightly bleeding/wet areas.”

Flowability

The manufacturer describes Identium as offering excellent flowability that, in combination with a remarkable hydrophilicity (lowest achievable contact angle of less than 10 degrees after 1 second) ensures an optimal inflow in a humid environment, even in the narrowest sulcus crevices.

When the 10 evaluators were asked to rate Identium's flowability, 4 rated it as excellent, 5 rated it as very good, and 1 rated it as good. When asked what he liked best about the product, a dentist who practices in White Haven, PA, said, “Unlike other impression materials, patients never com-

plained about taste or viscosity.” When asked if he would recommend Identium to colleagues or contacts within the dental profession, this evaluator said “definitely.”

Margin Detail

According to Kettenbach, Identium provides high precision quality impressions and prosthesis work. The reliability of good quality impressions requires that an identical replica of the clinical dental scenario can be made—the best precondition for high-quality restoration work that meets the highest dental and esthetic expectations.

When asked to rate the Identium’s margin detail, 6 evaluators rated the material as excellent, 2 rated it as very good, 1 rated it as good, and 1 rated it as fair. A clinician with 9 years of experience said, “Great product detail. We were able to achieve detailed impressions very easily.” He continued, “Transitioning from previous impression material to Identium was very easy.”

70% would definitely or probably purchase Identium in the future.

When asked what he would like to see improved about Identium, an evaluator from Glendale, CA, said, “The color differences in light and hard body. It was hard to read margins if both impression bodies were different shades of blue.” This evaluator went on to rate Identium’s margin detail as “good.”

Ease of Removal

According to the manufacturer, Identium retains its dimension accuracy, is very easy to remove (from the patient’s mouth and from the plaster model), and is odorless and tasteless.

When the 10 evaluators were asked

to rate Identium’s ease of removal, 7 rated it as excellent and 3 rated it as very good. A dentist who practices in Ann Arbor, MI, said, “[It] came out of the sulcus well.” When asked if she would purchase Identium in the future, this evaluator said, “Definitely.”

70% would definitely or probably recommend Identium to colleagues.

Overall Satisfaction

When the evaluators were asked if they would recommend Identium to their colleagues, 7 evaluators said they

definitely or probably would. Seven of the evaluators also said they definitely or probably would purchase Identium in the future.

Evaluators were asked to rate their overall satisfaction with Identium. Five evaluators rated it as excellent, 2 rated it as very good, 2 rated it as good, and 1 rated it as fair. An evaluator with 15 years of experience summarized his evaluation of Identium saying, “Another excellent material. I have been using another product for years but I loved this material.” An evaluator with 10 years in practice added, “I’m quite impressed with this product and truly enjoyed using it.”


Identium

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RATING

4.2

Dental PRODUCT SHOPPER

RECOMMENDED

2012

Evaluation Snapshot

| | |
|-----------------------------|-----|
| Number of evaluators: | 10 |
| Combined years in practice: | 208 |

| Criteria | Average Score (out of 5) |
|-----------------------------|-----------------------------|
| Section A | |
| Ease of use | 4.5 |
| Flowability | 4.3 |
| Ease of removal | 4.7 |
| Margin detail | 4.3 |
| Working time | 4.3 |
| Setting time | 3.9 |
| Hydrophilic characteristics | 4.2 |
| Tear strength | 4.2 |
| Patient acceptance (taste) | 3.9 |
| Readability | 3.8 |
| SECTION A AVERAGE 4.2 | |
| Section B | |
| Overall satisfaction | 4.1 |

0 | 1 | 2 | 3 | 4 | 5

Average of Sections A and B = 4.2