

A-SILICONE IMPRESSION MATERIAL

AFFINIS[®]

The crowning in level of detail



CONFIDENCE

in impression taking



The self-contouring consistencies of AFFINIS wash materials let you achieve outstanding impression results without any bubbles and flashes.

Impressions with AFFINIS are convincing right from the start

With the AFFINIS product family, you will be well prepared for any patient situation, no matter how complicated. This reliable, precise impression material is characterised not only by its speed but also by its flowability and, where necessary, by the required stability. For over 40 years, our customers have relied on our know-how in the production of silicone-based impression materials.



AFFINIS putty & light body

AFFINIS heavy body & light body

AFFINIS users have confirmed:

Detail reproduction, reliability and application times are excellent. All respondents would recommend the product family to a professional colleague!

Results of an internal AFFINIS customer survey in 2021 | N = 12

Precise impression of details even under the most difficult conditions

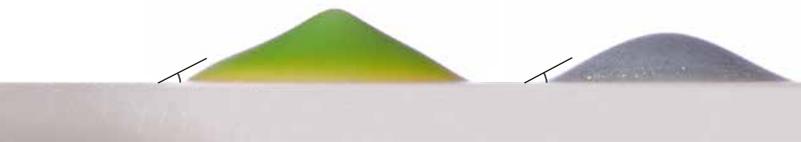
Flow behaviour in the clinical setting

AFFINIS

A-silicone, light body

AFFINIS PRECIOUS

A-silicone, light body



With the aid of its highly active surfactant system and the resulting surface affinity, AFFINIS captures even the smallest detail under the most difficult conditions. Even in a moist environment, it exhibits outstanding flow behaviour.

Competitors

Product A

Polyether, light body

Product B

A-silicone, light

Product C

A-silicone, light flow

Product D

A-silicone, light

Product E

A-silicone, LV (light body)



Defined amount of freshly mixed impression material on moist dentine, 10 sec. after application (internal data)

AFFINIS captures all details very precisely due to its first-class surface affinity, even in the most difficult, moist conditions.

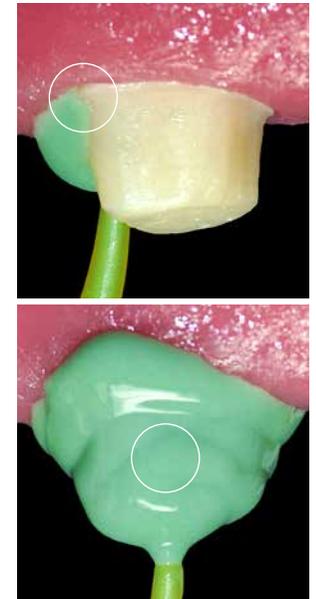


PRECISION
even under the most
difficult conditions



Reliable impression taking

The impressive flowability and self-levelling of AFFINIS wash materials not only lead to highly precise capture of details, but also avoid air voids, flashes and imperfections.



“AFFINIS PRECIOUS meets the highest demands.

It features an extremely hydrophilic behaviour and even works if sulcus management is not performed properly. It is easy to apply and virtually flows around the tooth. Stability is optimal, particularly in thin places, so that impressions can be cast several times if necessary. The setting phase is adjusted such that one has ample time for processing and can proceed with the application in a relaxed manner and with due care.”

Dr. Kai Zwanzig, Germany

AFFINIS PRECIOUS sets new standards

Exceptional quality and precision are required, especially in critical cases. And AFFINIS PRECIOUS gives you just that: a reliable, highly precise material that can be used in any situation, no matter how difficult.



This complex case by Dr. Kai Zwanzig illustrates impression taking of a very demanding, large-span item of work. In addition to the material used, a clean preparation technique and well-planned sulcus management are crucial for the success of an impression. The choice of impression technique

itself also has a major impact on the quality. One of the most precise techniques is the double mix technique, which was applied here.¹

(1) Luthardt RG, Walter MH, Quaas S, Koch R, Rudolph H. Comparison of the three-dimensional correctness of Impression techniques: a randomized controlled trial. Quintessence Int. 2010 Nov-Dec; 41(10):845-53

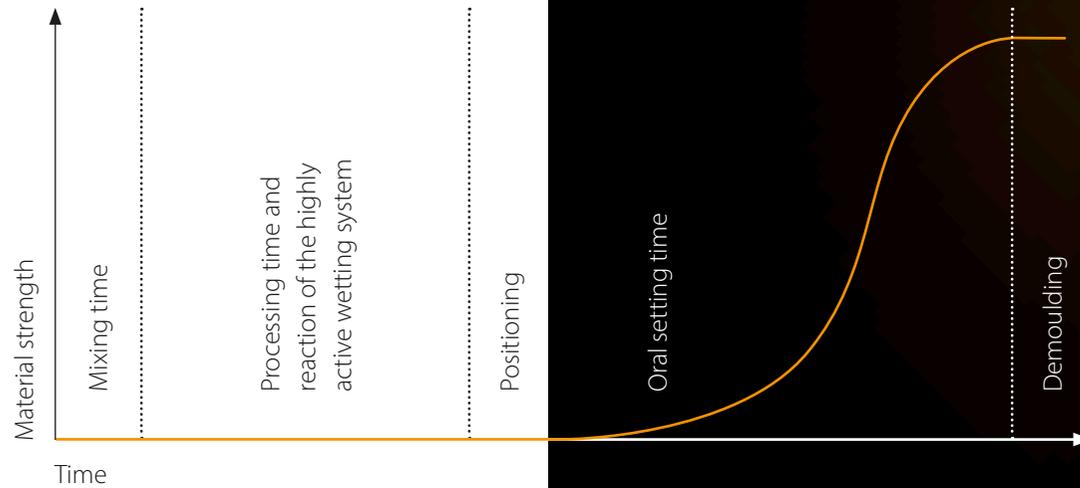


SPEED

Always one of the fastest
A-silicones

AFFINIS Snapset

Steep snapset minimises the risk of inaccuracies due to wobbling



Source: internal data





With a total setting time of maximum 2:10 min and variable processing time, the AFFINIS fast versions offer maximum efficiency and time savings.

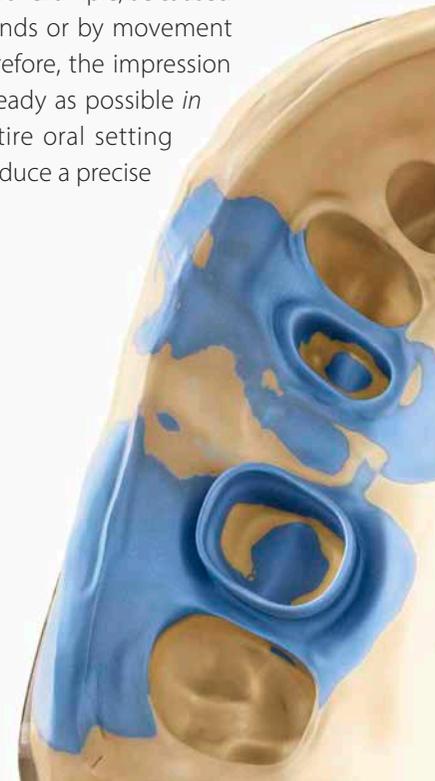
Seconds can make all the difference

Has this ever happened to you? The impression looks good, you and the dental technician are satisfied, the restoration fits perfectly on the model and then comes the shock: the patient attends the appointment and the crown does not fit. What could have gone wrong?

When it comes to taking impressions in particular, details are the tricky part. The most common impression indications are single crowns or small bridges, and fast setting impression material is often the first choice here.

However, chemical systems do not cure at the push of a button. Nonetheless, sophisticated formulations allow sufficient processing time and a short oral setting time, as shown by the steep setting curve (AFFINIS snapset) in the illustration. A fast setting characteristic is considered to be patient-friendly and minimises the risk of permanent, often invisible deformities.

However, as soon as the specified processing time is exceeded, the impression material continuously changes from the plastic to the elastic state and reacts sensitively to pressure, which can, for example, be caused when changing hands or by movement of the patient. Therefore, the impression must be kept as steady as possible *in situ* during the entire oral setting time in order to produce a precise impression.





“The reproducibility of work steps creates safety, speed and reliability.

COLTENE's AFFINIS impression material has become an indispensable material in my daily dental routine due to its good processing, high precision and good patient compliance.”

Dr. Sylvia Rahm, Germany



“The combination of heavy body and light body provides an impression with excellent detail reproduction.

Even in situations where it is difficult to control moisture. The fast version is characterised by a short working time and high impression quality, and is therefore very comfortable for the patient and effective for the dentist. To prevent cross-infection, the option to autoclave the impression when taken with a heat-resistant tray is definitely a plus.”

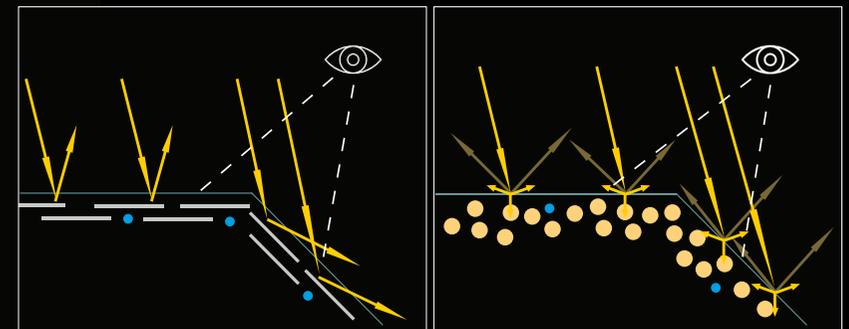
Prof. Dr. Salomão Rocha, Portugal

Simple monitoring of success

AFFINIS PRECIOUS features excellent readability of the details. The unique pigmentation with silver and gold significantly reduces light scatter and enhances the visual perception of details. This makes it easy and safe to check the quality of the impression.

AFFINIS PRECIOUS

Standard impression material



Fillers ● AFFINIS PRECIOUS Pigments — Standard Pigments ●

The lamellar structure of the fillers reflects light similar to a mirror and significantly improves contrast and detail readability.

The structure of the standard fillers scatters light in a random manner, resulting in lower contrast as well as less precise detail readability.

SUCCESS

The perfect result has
been achieved

The excellent readability and reproduction of detail is based on the unique gold and silver pigmentation of the AFFINIS PRECIOUS wash materials and facilitates checking for success.



Order Information

AFFINIS Impression Material

| Consistency | REF | Product | System / Quantity | Accessories | Max. processing time ⚙️ | Oral setting time 🦷* |
|---|----------|----------------------------|--|-------------|-------------------------|----------------------|
|  | 6501 | light body |  50 ml | 12 pcs. ○ | 01:00 | 02:00 |
| | 6601 | fast light body |  50 ml | 12 pcs. ○ | 00:50 | 01:20 |
|  | 6511 | regular body |  50 ml | 12 pcs. ○ | 01:00 | 02:00 |
| | 6611 | fast regular body |  50 ml | 12 pcs. ○ | 00:50 | 01:20 |
|  | 6775 | PRECIOUS light body |  50 ml | 12 pcs. ○ | 01:00 | 02:20 |
| | 6776 | PRECIOUS regular body |  50 ml | 12 pcs. ○ | 01:00 | 02:20 |
|  | 6547 | MonoBody |  75 ml | 8 pcs. ● | 01:00 | 02:30 |
| | 6482 | MonoBody |  380 ml | 1 pc. ● | 01:00 | 02:30 |
|  | 6520 | heavy body |  75 ml | 8 pcs. ● | 01:00 | 02:00 |
| | 6487 | heavy body |  380 ml | 1 pc. ● | 01:00 | 02:00 |
| | 6620 | fast heavy body |  75 ml | 8 pcs. ● | 00:50 | 01:20 |
|  | 60019554 | Black Edition (heavy body) |  75 ml | 8 pcs. ● | 01:00 | 02:20 |
| | 60019776 | Black Edition (heavy body) |  380 ml | 1 pc. ● | 01:00 | 02:20 |
|  | 6535 | putty super soft |  600 ml | - | 01:05 | 02:00 |
|  | 6530 | putty soft |  600 ml | - | 01:10 | 02:00 |
| | 6531 | fast putty soft |  600 ml | - | 01:05 | 01:50 |
|  | 6472 | putty |  380 ml | 1 pc. ● | 01:00 | 03:30 |

 Manual Mixing  System 50/75  System 360 * Data in minutes.

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Accessories

| Tip | REF | Product |
|--|----------|-------------------------------------|
|  | 60019663 | Universal Mixing Tip, 40 pcs. |
|  | 60019694 | Universal Mixing Tip, 100 pcs. |
|  | 6552 | Mixing Tip Turquoise, 40 pcs. |
|  | 6555 | Oral Tips Yellow, 100 pcs. |
|  | 6162 | Dynamic Mixing Tips Yellow, 40 pcs. |
|  | 6163 | Fixation Ring |



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