



AFFINIS® PRECIOUS user report



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The quality of the impression material is decisive for the fitting accuracy and the long-term success rate of a fixed prosthetic restoration. It also saves time and treatment for the patient and the dentist if the impressions are accurate at the first try. This means that it is not necessary to take an impression a second time. Coltène/Whaledent is willing to go to great lengths in development work to come as close as possible to a perfect impression.

With AFFINIS PRECIOUS Coltène/Whaledent has optimised the surface affinity so that even in difficult situations the surface of the teeth will be thoroughly coated without problems and the material will not flow away uncontrolled. The flow behaviour has been optimised to an impressive degree, particularly in a moist environment. The light-body and regular-body correction materials include unique gold and silver pigments designed to improve readability. They function like a mirror by reflecting the light rays into the eye of the observer. The light scatter is reduced, the light-dark contrast of the correction material is significantly increased and it improves the visual perception of details in the surface profile. Evaluation of the impression result is therefore easier and more secure. The well-known high accuracy of polyvinylsiloxane combined with the ideal processing and short oral dwelling time make these materials the first choice for use in making impressions of prosthetic constructions.

Note the following for the patient H.W.:



Figure 1

The situation with the skeletal prognathism meant that the patient had serious problems with chewing after the loss of tooth 46. Because he did not want an implant and wanted a restoration as quickly as possible, the manufacture of a conventional bridge was planned. The prior status of the abutment teeth (crown 47 and filling 45) made this solution appear ideal.



Figure 2

After extraction of the crowns and fillings and filling the defects in the teeth with dentine, the teeth were prepared for the new bridge.



Figure 3



Figure 4

To make the preparation margin on the impression obvious, the sulcus was opened and the gingiva slightly retracted with Magic FoamCord (Coltène/Whaledent) and counter-pressure from the Comprecap anatomic.

While waiting for this procedure there was time to apply Coltène adhesive to the prepared customised tray.



Figure 5

One of the basic requirements for good impressions is the use of custom-fitted trays (or standard trays of the appropriate size). Sufficient pressure must be applied to the impression compound to ensure a good result. A tray that fits well increases the accuracy, because an evenly controlled layer thickness means fewer errors.



Figure 6



Figure 7



Figure 8



Figure 9



Figure 10



Figure 11

A sufficient quantity of AFFINIS PRECIOUS (light-body or regular-body) was applied to the stumps and the correctly filled tray with the more viscous AFFINIS heavy body was placed in the mouth (single-session 2-phase impression). When using this technique it is important to select the start time of filling the tray so filling and injection are finished simultaneously, because AFFINIS PRECIOUS sets quickly in the warm oral environment. The ideal processing time for stress-free application and the short oral dwelling time are features that make the procedure much easier for the user and of course for the patient. An experienced dental team is also very helpful when making impressions.



Figure 15



Figure 16



Figure 12



Figure 17



Figure 13

An accurately fitted bridge could now be fabricated in the dental laboratory for delivery into the mouth. AFFINIS / AFFINIS PRECIOUS as a high quality standing impression material guarantees an accurately fitted prosthetic restoration that conforms to the state of the art.



Figure 14

After removal of the tray a close check of the impression of the preparation margin is easy.