

**Elastomer material on a polyvinylsiloxane basis, addition-curing.**

Thank you for reposing your trust in us. By selecting these bite registration materials, you have taken the right decision.

**Product description:**

All bite registration materials are manufactured from high-quality raw materials, and offer a wide range of applications due to their different final hardness. The materials are highly thixotropic and easy to apply with the automated safety cartridge system. They can be easily removed from the mouth, and provide long-term dimensional stability. The special feature in Aqium® 3D BITE is its optical reflection activity; it is particularly suitable for powder-free optical 3D registration and data acquisition in CAD/CAM/CIM areas of application. The pleasantly mild mint flavour makes these materials particularly patient-friendly.

**Indication:**

- Aqium® 3D BITE: Optical data acquisition in CAD/CAM/CIM areas of application (antagonist registration)
- granit PERFECT D45 / topas PERFECT A85: Produce long lasting, multiple-use bite records; fixation of support pin and facebow records.
- kristall PERFECT A50 / A70: bite registration with required visual monitoring/inspection; chew surface stamp in light hardening composite restorations; device for the production of temporary veneers; transfer matrix to fasten brackets.

**Processing:**

Insert cartridge in 1:1 mixing gun, remove cap. When using a new cartridge, press out a small amount of material until a smooth flow is achieved. Screw mixing tip (green) onto cartridge and dispense desired amount of material. The used mixing tip remains on the cartridge. Before using again, remove the used mixing tip and check the discharge openings. Clean if necessary, then attach a new mixing tip and continue as normal.

Aqium® 3D BITE, granit PERFECT and topas PERFECT are millable and breakable due to their high final hardness.

**Special instructions:**

- Some solutions used prior to recording, such as mouthwash solutions, may interfere with the setting process; any residues must therefore be thoroughly removed.
- Do not leave any residues of the recording materials in the oral cavity.
- The fully automated mixing rules out the negative effects of the material through contact with certain glove types, e.g. latex gloves. This sensitivity exists with all addition-curing silicones; it must be taken into account during processing.
- Cartridge materials should be used at room temperature (64.4 °F - 77 °F, or 18 °C - 25 °C) only.
- Disinfection: Impressions can be disinfected with 2% glutaraldehyde solution. We recommend the products Dental Algides Plus and Algides Ultra by Müller-Omicron GmbH & Co. KG.
- Storage: between 41 °F and 80.6 °F (5 °C - 27 °C)  
Shelf life: see information on package

**Operating and safety instructions**

Avoid contact with eyes; if necessary wash eyes immediately with plenty of water, and consult an eye specialist without delay. Avoid contact with clothes, as curing silicones are chemically stable and cause smudges that cannot be removed.  
The processing, usage and application of the products delivered by us fall exclusively in the domain of your responsibility, as it is not possible for us to exercise any control in this regard. To the extent that we offer oral or written advice or provide consultancy through technical application-related experiments, any such consultancy is to be regarded as non-mandatory instructions only, even with regard to possible industrial property rights of third parties. This does not release you from the obligation of testing the delivered products on your own, to ensure that they meet the intended objectives and processes. Our liability is limited in all cases and all instances of damage to the value of the products delivered by us and used by you. The faultless quality of our products is guaranteed according to the standard of our general business conditions.

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**Technical data and product properties**

Product	Colour	Dosage (1:1)	Working time incl. mixing time	Time in mouth	Total setting time	Hardness	Linear dimensional change
Aqium® 3D BITE	yellow	automatic	30 sec.	30 sec.	1 min.	D45	0.1 %
granit PERFECT D45	turquoise	automatic	30 sec.	30 sec.	1 min.	D45	0.1 %
topas PERFECT A85	yellow	automatic	30 sec.	1 min.	1 min. 30 sec.	A85	0.1 %
kristall PERFECT A50 / A70	transparent	automatic	30 sec.	1 min.	1 min. 30 sec.	A50 A70	0.3 % 0.2 %

Time specifications given in the table relate to 73.4 °F ( 23 °C) and a relative humidity of 50 +/- 10%. As a general rule, higher temperatures will result in shorter setting times, and lower temperatures in longer setting times.