

Flexitime®

Product Information



Flexitime®

Time flexibility paired with the highest precision.

Giving a hand to oral health.



KULZER
MITSUI CHEMICALS GROUP

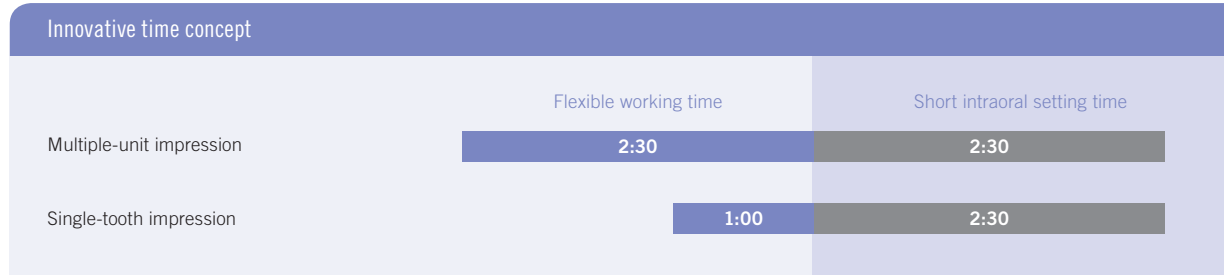
Flexitime®

The flexibility you require meets the precision you can rely on.

Turn our experience into your advantage:

■ Intelligent time concept:

The innovative A-silicone with its special formula controls the polymerisation kinetics by oral temperature and sets rapidly only after insertion into the mouth. This flexible working time combined with an always short intraoral setting time takes the stress out of taking impressions. Your material decision gives you more leeway which you may use according to your workflow. What is more, the short intraoral setting time not only means a convenient and time-saving working routine for you but also sets your patients more at ease.



More leeway with starting the setting time – Flexitime controls the polymerisation kinetics by oral temperature. This entails flexible, efficient working for you and greater comfort for your patients.

■ Optimised efficiency:

We offer a practical solution for automatic mixing. High-speed mixing with our *Dynamix speed 2* system is easy and saves precious time.

■ Indicated for all impression techniques











You can use Flexitime for all impression techniques – for single-tooth preparations over multiple-unit prosthetics to a full denture according to your requirements. The A-silicone is available in 3 different delivery forms and 6 different viscosities.

The allrounder among A-silicones.

Its possible combinations make it extremely flexible:

Flexitime's different viscosities and delivery forms allow you to design the impression taking process individually according to the respective impression technique and your preferences. Our product portfolio covers all indications and impression techniques in your daily practice.

Although you are free in combining our precision impression materials, we recommend the following material combinations:

	Two-step, two-phase impression	Single-step, two-phase impression		Single-step, one-phase impression
Impression technique	Correction technique	Double-mixing technique	Sandwich technique	Monophase impression
Viscosity of tray material	Highly viscous/ Kneadable, highly viscous	Highly viscous	Kneadable, highly viscous	Medium viscous
Product recommendation	Step 1  Heavy tray/ Putty  Step 2  Light flow	 Heavy tray +  Medium flow/ Correct flow 	 Putty +  Medium flow/ Correct flow 	 Monophase
Intended use	<ul style="list-style-type: none"> ▪ Crowns ▪ Bridges 	<ul style="list-style-type: none"> ▪ Crowns ▪ Bridges ▪ Inlays ▪ Onlays ▪ Transfer & Implant impression 	<ul style="list-style-type: none"> ▪ Crowns ▪ Bridges ▪ Inlays ▪ Onlays 	<ul style="list-style-type: none"> ▪ Crowns ▪ Bridges ▪ Inlays ▪ Onlays ▪ Transfer & Implant impression ▪ Functional impression

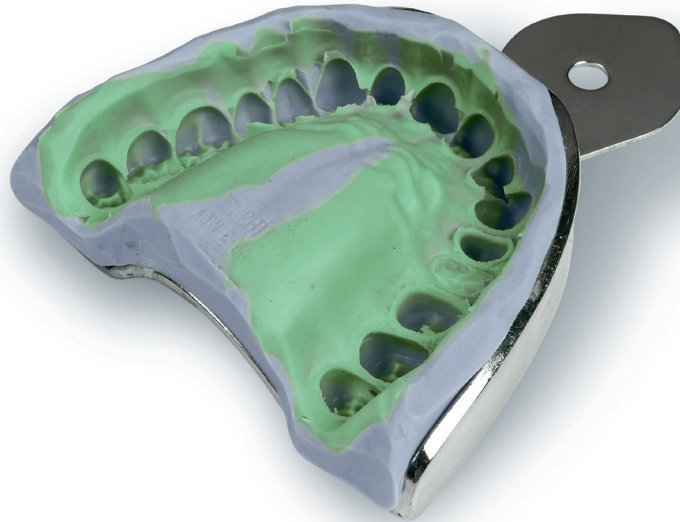
We recommend the generalist Flexitime assortment for single-tooth to multiple-unit restorations.

Flexitime®

Precision emerges from science and experience.

Precision of fit:

- Low dimensional changes (-0.001%)*.
- Reproduces details of surface roughness of up to under $20\mu\text{m}^{**}$.
- Convincing hydrophilic properties – high reproduction of details thanks to excellent flowability.

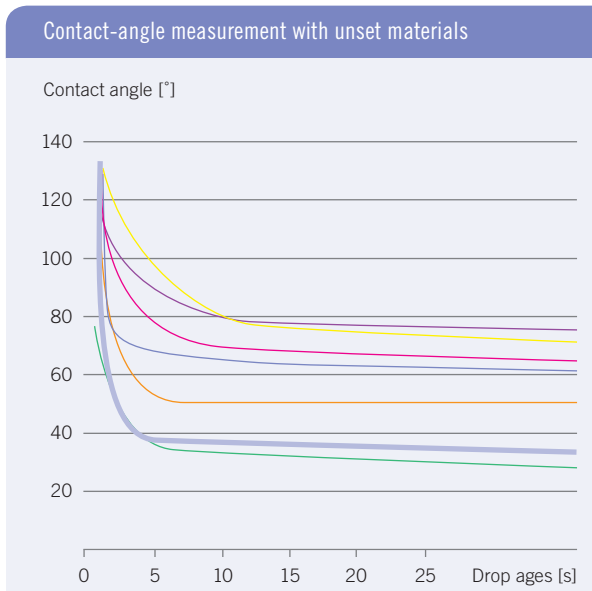


* Source: Piwowarczyk A, *et al.*, In Vitro Study on the Dimensional Accuracy of Selected Materials for Monophase Elastic Impression Making, *Int J Prosthodont* 2002, 15: 168–74.

** Source: Kanehira M, *et al.*, Surface detail reproduction with new elastomeric dental impression materials. *Quintessence Int* 2007, 38: 479–488.

Results of an in-vitro study with contact-angle measurements using unset materials

The contact angles of a water drop on Flexitime Light Flow – a measurement of hydrophilicity – are on polyether level and demonstrate Flexitime’s excellent performance in the wet sulcus.



Flexitime® Light Flow

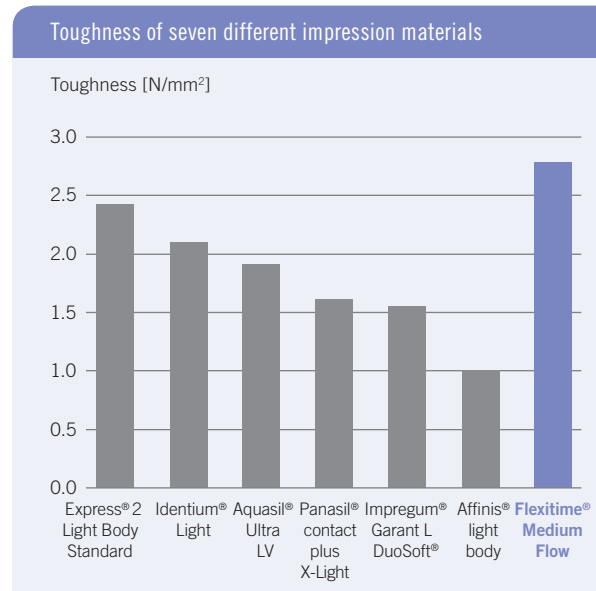
Panasil® contact plus X-Light Express® 2 Light Body Standard Affinis® light body

Aquasil® Ultra LV Impregum® Garant L DuoSoft® Honigum® Light

Source: Geis-Gerstorfer J: High-resolution contact-angle measurements, University of Tübingen, Germany, May 2009. Documentation available.

Results of an in-vitro study on the toughness of seven different impression materials

In this study Flexitime Medium Flow shows the highest toughness, which best prevents tearing of flashes and distortion upon removal. This implies additional safety for accurately fitting prosthetics.



Source: Thermoplastic Testing Center, Bayer Material Science AG, Krefeld-Uerdingen, Germany, March 2009. Documentation available.

Dynamix® speed 2

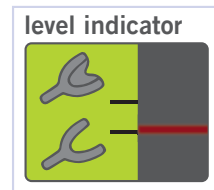
Precision at the push of a button.

Reliable in quality and precision

- Homogeneously and void-free mixed impression materials leading to precisely fitting prosthetic restorations.
- Reproducible material properties.
- Consistent quality of mix, independent of operator, for a constant precision of fit.

High-speed efficiency

- High-speed mixing and precise dispensing, including Putty viscosities.
- Easy and reliable handling.
- Savings in time and material.
- 3 selectable velocities.



What's new with Dynamix® speed 2:

- **For your convenience:** Additional markings on the level indicator allow you to assess whether the remaining quantity is sufficient for another impression (upper/lower jaw). This helps to improve the impression-taking process in the practice.
- **For the environment:** Avoids waste as you can make the best possible use of the contents of the cartridge.

Flexitime® Bite

Modern bite registration.

Your benefits following from the outstanding material properties

- Flexitime Bite is extra-hard and precise. Its very high final hardness of Shore A ≥ 94 prevents undesirable shifts when adjusting the position of the casts in the articulator.
- Distinct thixotropy avoids flowing off from the occlusal surface into the interdental spaces, and enables easy removal from the mouth.
- It supports scannability for the powder-free 3D data recording of antagonists for CAD/CAM technology.

Your benefits following from excellent handling properties

- Flexitime Bite is extremely fast and features a convenient working time of 30 seconds plus a fast intraoral setting time of only 30 seconds for increased patient comfort.
- The set material is easy to trim and grind with minimum risk of fracture.
- Its whipped-cream-like consistency assures a resistance-free bite.

Flexitime Bite is widely applicable

- Standard bite registration in the centric occlusal position.
- Portrayal of opposing dentition.
- Coating of bite forks.
- Key material for needle-point registration.
- Production of small model segments.
- Powder-free optical data recording of antagonists for CAD/CAM technology.



Flexitime®

Product range.

Dynamix Cartridge Trial Kits

Flexitime Dynamix Putty Trial Kit

1 x 380ml Dynamix Putty
10 x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
1 x 50ml Light Flow
1 x 50ml Medium Flow
12 x Mixing Tips yellow
12 x Intraoral Tips yellow
Art. code: 66041065

Flexitime Dynamix Heavy Tray Trial Kit

1 x 380ml Dynamix Heavy Tray
10 x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
1 x 50ml Light Flow
1 x 50ml Medium Flow
12 x Mixing Tips yellow
12 x Intraoral Tips yellow
Art. code: 66041071

Flexitime Dynamix Monophase Trial Kit

1 x 380ml Dynamix Monophase
10 x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
Art. code: 66035989

Dynamix Cartridge Refills

Flexitime Dynamix Putty Refill

2 x 380ml Dynamix Putty
2 x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
Art. code: 40003992

Flexitime Dynamix Heavy Tray Refill

2 x 380ml Dynamix Heavy Tray
2 x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
Art. code: 40003991

Flexitime Dynamix Monophase Refill

2 x 380ml Dynamix Monophase
2 x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
Art. code: 40003990

Automix Cartridge Trial Kits

Flexitime Heavy Tray Trial Kit

2 x 50ml Heavy Tray
6 x Mixing Tips green
1 x 50ml Light Flow
1 x 50ml Medium Flow
12 x Mixing Tips yellow
12 x Intraoral Tips yellow
Art. code: 66041063

Automix Cartridge Refills

Flexitime Heavy Tray Refill

2 x 50ml Heavy Tray
6 x Mixing Tips green
Art. code: 50034804

Flexitime Monophase Refill

2 x 50ml Monophase
6 x Mixing Tips green
Art. code: 50034811

Flexitime Medium Flow Refill

2 x 50ml Medium Flow
12 x Mixing Tips yellow
Art. code: 40005041

Flexitime Correct Flow Refill

2 x 50ml Correct Flow
12 x Mixing Tips yellow
Art. code: 50034806

Flexitime Light Flow Refill

2 x 50ml Light Flow
12 x Mixing Tips yellow
Art. code: 40005040

Flexitime Bite Cartridge Refill

2 x 50ml Flexitime Bite
12 x Mixing Tips green
Art. code: 50066038



Flexitime Dynamix Putty Trial Kit



Flexitime Dynamix Heavy Tray Trial Kit



Flexitime Dynamix Monophase Trial Kit



Flexitime Heavy Tray & Flow Automix Trial Kit

Flexitime®

Product range.

Handmix Trial Kit

Flexitime Easy Putty Trial Kit

1 x 600ml Easy Putty
(300ml each Base & Cat.)
1 x 50ml Light Flow
1 x 50ml Medium Flow
12 x Mixing Tips yellow
12 x Intraoral Tips yellow
Art. code: 66041064

Handmix Refill

Flexitime Easy Putty Refill

1 x 600ml Easy Putty
(300ml each Base & Cat.)
Art. code: 50034802



Flexitime Easy Putty & Flow Handmix Trial Kit



