

Flexitime®

Product Information



Flexitime®

Time and flexibility paired with the highest precision. Now with Darby & Synergy Dental Partners!



Giving a hand to oral health.



KULZER
MITSUI CHEMICALS GROUP

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.

Innovative time concept		
	Flexible working time	Short intraoral setting time
Flexitime multiple-unit impression	2:30	2:30
Flexitime single-tooth impression	1:00	2:30
Flexitime Fast & Scan 3-unit impression	1:30	2:00
Flexitime single-unit impression	0:30	2:00

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.

■ **Optimized efficiency:**

With Flexitime you can save even more time due to the extra-short intraoral setting time. As a powder-free scannable impression material it ensures a more efficient workflow in digital dentistry. We also offer a practical solution for automatic mixing. High-speed mixing with our Dynamix *speed 2* system is easy and saves precious time.

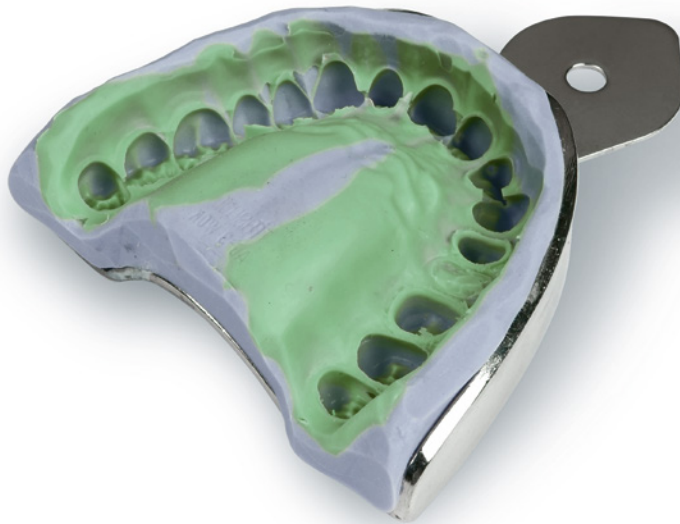
■ **Wide range of indications:**

Flexitime can be used for a wide range of indications from single-tooth preparation over multiple-unit prosthetics to a full denture. The A-silicone is available in 3 different delivery forms and 6 different viscosities.

Precision emerges from science and experience.

Precision of fit:

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

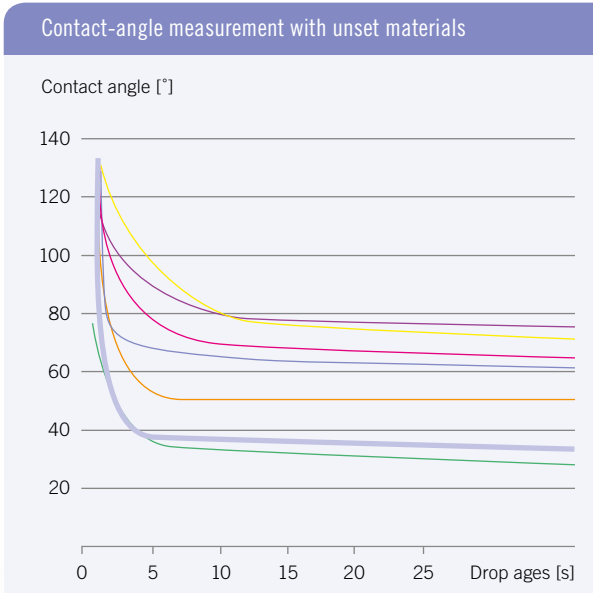


* Source: Piwowarczyk A, *et al.*, In Vitro Study on the Dimensional Accuracy of Selected Materials for Monophase Elastic Impression Making, Int J Prosthodont 2002, 15: 168–74.

** 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

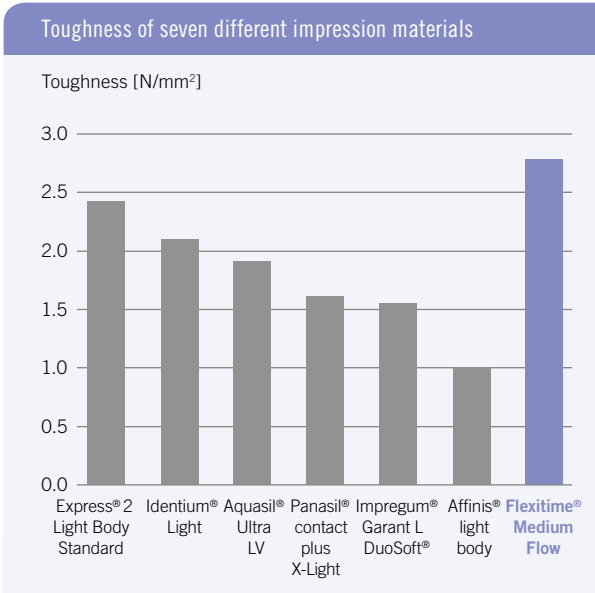
Panasil® contact plus X-Light Express® 2 Light Body Standard Affinis® light body

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

Source: Geis-Gerstorf 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.

The allrounder among A-silicones.

Its possible combinations make it extremely flexible:

We matched all parts of the Flexitime system to fit your working routines optimally. That is why you can individually combine the different materials for all impression techniques. Consequently, Flexitime adapts in an ideal way to your personal preferences of treatment.

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	Medium viscous
Product recommendation	Step 1  Heavy tray/Putty  Step 2  Light flow	 Heavy tray +  Medium flow/ Correct flow 	 Heavy tray/Putty  +  Medium flow/ Correct flow 	 Monophase
Intended use	▪ Crowns & Bridges	▪ Transfer & Implant impression	▪ Crowns ▪ Bridges ▪ Inlays ▪ Onlays	▪ Crowns ▪ Bridges ▪ Inlays ▪ Onlays ▪ Transfer & Implant impression ▪ Functional impression

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

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 D 40 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 shows a superb 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 occlusal position.
- 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.



The Dynamix[®] speed 2 system

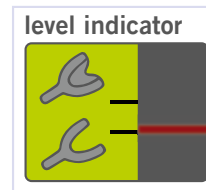
Precision at the push of a button.

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 for 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.



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
1 x Universal Adhesive (10ml)
Darby item #849-0054

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
1 x Universal Adhesive (10ml)
Darby item #849-3588

Flexitime Dynamix Monophase Trial Kit

1 x 380ml Dynamix Monophase
10 x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
1 x Universal Adhesive (10ml)
Darby item #849-3596

Dynamix Cartridge Refills

Flexitime Dynamix Putty Refill

2 x 380ml Dynamix Putty
2 x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
Darby item #849-0056

Flexitime Dynamix Heavy Tray Refill

2 x 380ml Dynamix Heavy Tray
2 x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
Darby item #849-0058

Flexitime Dynamix Monophase Refill

2 x 380ml Dynamix Monophase 2
x Dynamix Mixing Tips
1 x Dynamix Fixation Ring
Darby item #849-3593

Automix Cartridge Refills

Flexitime Heavy Tray Refill

2 x 50 ml Heavy Tray
6 x Mixing Tips green
Darby item #849-3530

Flexitime Monophase Refill

2 x 50 ml Monophase
6 x Mixing Tips green
Darby item #849-3538

Flexitime Medium Flow Refill

2 x 50 ml Medium Flow
12 x Mixing Tips yellow
Darby item #849-3662

Flexitime Correct Flow Refill

2 x 50ml Correct Flow
12 x Mixing Tips yellow
Darby item #849-3534

Flexitime Light Flow Refill

2 x 50ml Light Flow
12 x Mixing Tips yellow
Darby item #849-3660

Flexitime Bite Cartridge Refill

2 x 50ml Flexitime Bite
12 x Mixing Tips green
Darby item #849-0050

Handmix Refill

Flexitime Easy Putty Refill

1 x 600 ml Easy Putty
(300ml each Base & Cat.)
Darby item #849-3526





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