

Flexitime®

Product Information



**Flexitime®**

Time flexibility paired with the highest precision.

Giving a hand to oral health.



**KULZER**  
MITSUI CHEMICALS GROUP

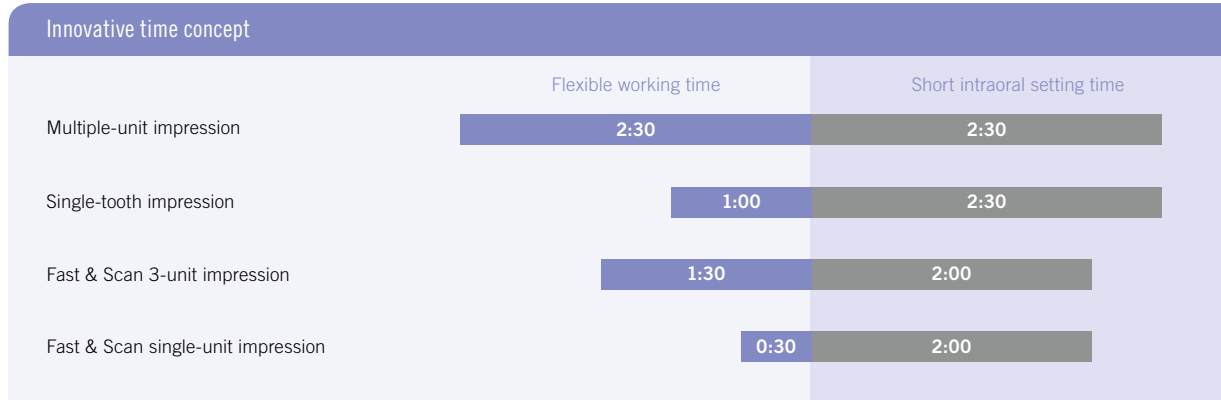
# Flexitime®

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 and Flexitime Fast & Scan control the polymerisation kinetics by oral temperature. This entails flexible, efficient working for you and greater comfort for your patients.

## ■ Optimised efficiency:

With Flexitime Fast & Scan 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.

## ■ Indicated for all impression techniques

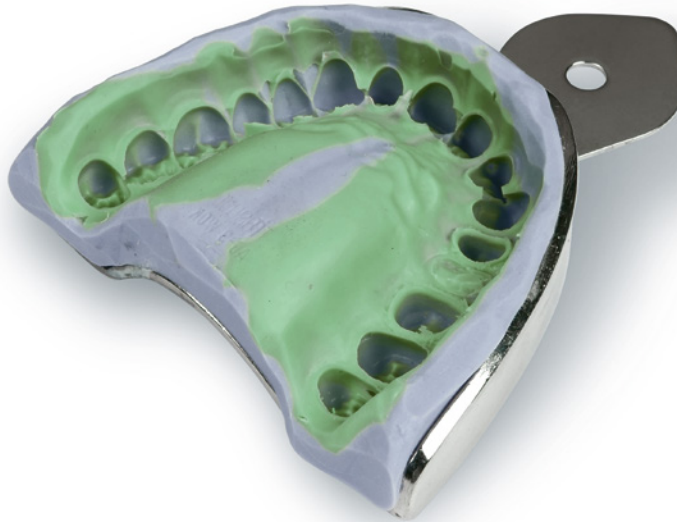
You can use Flexitime for all impression techniques – for single-tooth preparations over multiple-unit prosthetics to a full denture according to your requirements. The A-silicone is available in 3 different delivery forms and 6 different viscosities.

## 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.

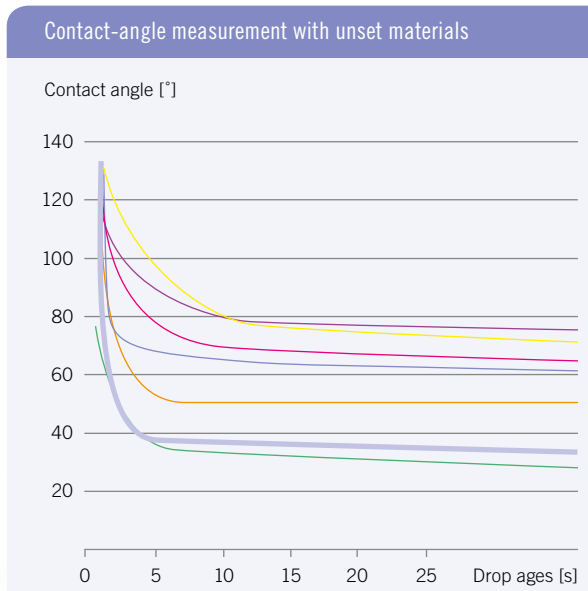


\* Source: Piwowarczyk A, *et al.*, In Vitro Study on the Dimensional Accuracy of Selected Materials for Monophase Elastic Impression Making, *Int J Prosthodont* 2002, 15: 168–74.

\*\* 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

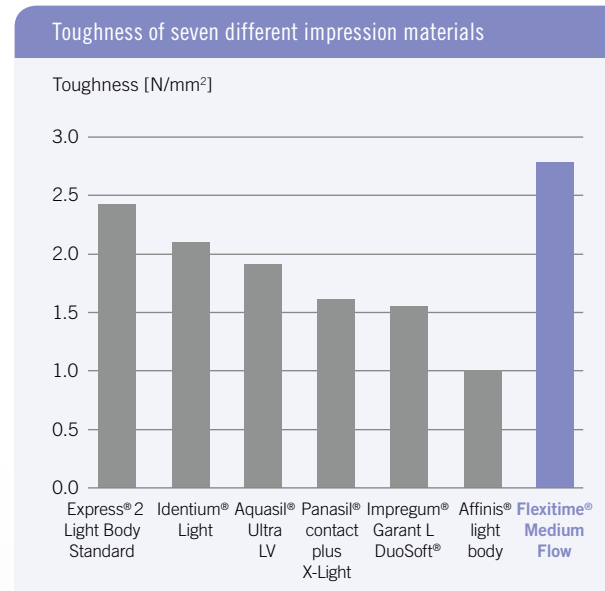
Panasil® contact plus X-Light Express® 2 Light Body Standard Affinis® light body

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.

## Flexitime® Fast & Scan

The extra-fast-setting A-silicone.

Fast and flexible:

### ■ Fast

Flexitime Fast & Scan allows a time-saving, more efficient workflow for 1–3 unit impressions. The shortened intraoral setting time of only 2:00 minutes increases your patients' comfort and saves time.

### ■ Flexible

The working time of 0:30 to 1:30 minutes enables your customised use of the material. Flexitime Fast & Scan comes in 4 different viscosities and 3 different delivery forms and is suitable for various impression techniques.

The possibilities of modern prosthetics:

### ■ Ready to scan:

With Flexitime Fast & Scan the direct and powder-free scanning of impressions is possible. You make use of all the benefits of modern CAD/CAM restorations without having to change your customary impression technique and without having to invest in hardware or software. The scanning is carried out from the impression, not on the basis of the gypsum model.\*

### ■ Economical work processes:

The digital scanning of impressions means further time savings for you and an augmented efficiency in the cooperation with your lab. The construction and manufacturing of coping start based on the digitised data, parallel to the manufacturing of the gypsum model. By means of digital data you can furthermore enhance the communication and restoration planning with your lab partners.



\* For achieving best precision, it is recommendable to scan the impression made of powder-free scannable impression material. This approach is more accurate compared to scanning in further preparation steps (i.e. scan of a gypsum model). Manufacturing of a master model may cause further inaccuracy. (Source: External measurement (SL3D). Data on file.)


# Flexitime®

## 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  <b>Heavy tray/</b> Putty  Step 2  <b>Light flow</b>	 <b>Heavy tray</b> +  <b>Medium flow/</b> <b>Correct flow</b> 	 <b>Putty</b> +  <b>Medium flow/</b> <b>Correct flow</b> 	 <b>Monophase</b>
Intended use	<ul style="list-style-type: none"> <li>▪ Crowns</li> <li>▪ Bridges</li> </ul>	<ul style="list-style-type: none"> <li>▪ Crowns</li> <li>▪ Bridges</li> <li>▪ Inlays</li> <li>▪ Onlays</li> <li>▪ Transfer &amp; Implant impression</li> </ul>	<ul style="list-style-type: none"> <li>▪ Crowns</li> <li>▪ Bridges</li> <li>▪ Inlays</li> <li>▪ Onlays</li> </ul>	<ul style="list-style-type: none"> <li>▪ Crowns</li> <li>▪ Bridges</li> <li>▪ Inlays</li> <li>▪ Onlays</li> <li>▪ Transfer &amp; Implant impression</li> <li>▪ Functional impression</li> </ul>

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 A  $\geq 94$  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 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 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.



# 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 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® Fast & Scan

Product range.

### Dynamix Cartridge Refills

#### Flexitime Fast & Scan

##### Dynamix Putty Refill

2 x 380ml Fast & Scan Dynamix Putty

2 x Dynamix Mixing Tips

1 x Dynamix Fixation Ring

Art. code: 66044882

### Automix Cartridge Refills

#### Flexitime Fast & Scan Medium Flow

2 x 50ml Fast & Scan Medium Flow

12 x Mixing Tips yellow

Art. code: 66044881

#### Flexitime Fast & Scan Light Flow

2 x 50ml Fast & Scan Light Flow

12 x Mixing Tips yellow

Art. code: 66044871

### Handmix Refill

#### Flexitime Fast & Scan Easy Putty Refill

1 x 600ml Fast & Scan Easy Putty

(1 x 300ml each Base & Cat.)

Art. code: 66045754

# 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

## 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





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