

Flexitime®

Product Information



**Flexitime®**

Time flexibility paired with the highest precision.

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
Multiple-unit impression	2:30	2:30
Single-tooth impression	1:00	2:30

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:

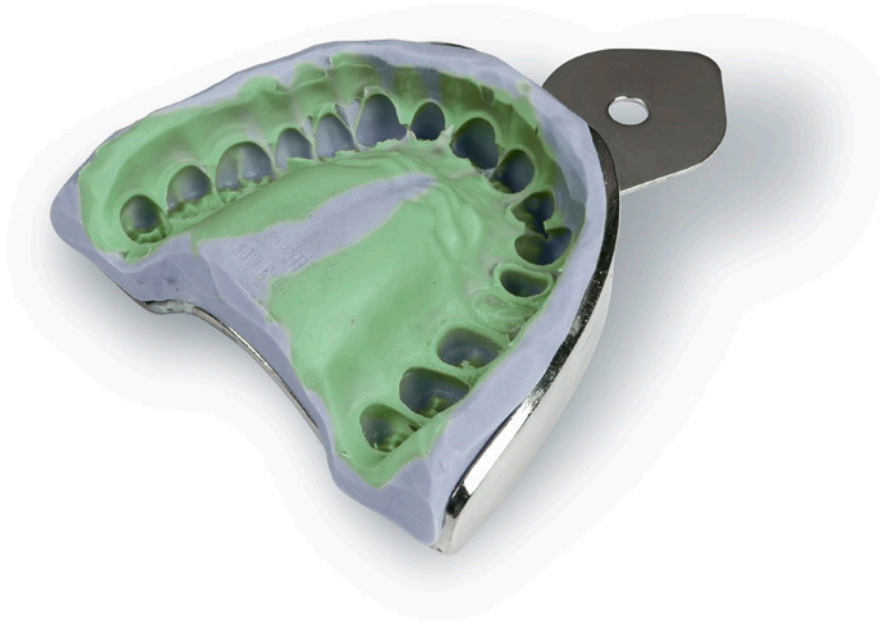
Two-step, two-phase impression		Single-step, two-phase impression		Single-step, one-phase impression
Impression technique	Correction technique	Double-mixing technique	Sandwich technique	Monophase impression
Viscosity of tray material	Highly viscous/ Kneadable, highly viscous	Highly viscous	Kneadable, highly viscous	Medium viscous
Product recommendation	Step 1  <b>Heavy tray / Putty</b>  Step 2  <b>Light flow</b>	 <b>Heavy tray</b> +  <b>Medium flow / Correct flow</b> 	 <b>Putty</b> +  <b>Medium flow / 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.

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.

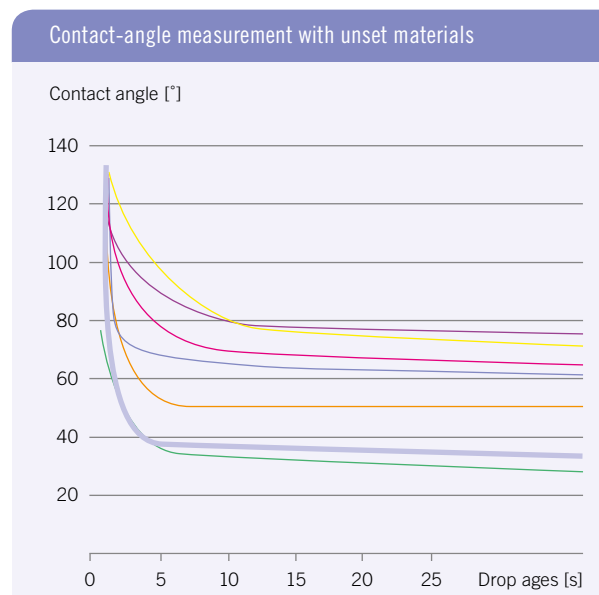


\* Source: Piwowarczyk A, *et al.*, In Vitro Study on the Dimensional Accuracy of Selected Materials for Monophase Elastic Impression Making, *Int J Prosthodont* 2002, 15: 168–74.

\*\* 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

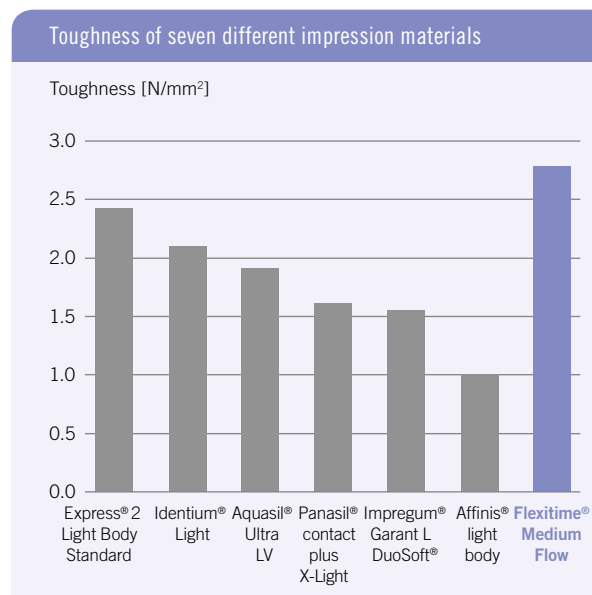
Panasil® contact plus X-Light Express® 2 Light Body Standard Affinis® light body

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

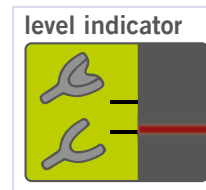
Precision at the push of a button.

### 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  $\geq 94$  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.



### 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



