

Flexitime®

Product Information



Flexitime®

Relaxed precision. Every time.

Giving a hand to oral health.



KULZER
MITSUI CHEMICALS GROUP

Flexitime®

Precision can be this simple.



It's about how to remain flexible.

Precision and accuracy of fit are keywords in prosthetics. They determine the results of your work and the satisfaction of your patients. You want to meet these demands anew every day. These are several good reasons to rely on products that meet your high standards of precision and handling – particularly when it comes to impression materials.

Flexitime adapts to your requirements at any time – the name says it all. We developed Flexitime for you and your individual workflow. And so Flexitime allows for precise and customised results while allowing you to remain flexible in the use of your time.

This also impressed The Dental Advisor. Flexitime received an award as problem-solver for clinical challenges due to its excellent reliability and wide range of application.

For custom-fit prosthetics and your good name.



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

There's a system behind precision in prosthetics.

With Flexitime you take full advantage of our experience in the market and in research and development. We always have your safety in mind and we attach great importance to your patients' comfort. Just like you. See for yourself.

Turn our experience into your advantage:

■ The 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 Fast & Scan single-unit impression	0:30	2:00

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 also ensures a more efficient workflow in digital dentistry. The optimised formula of the Flexitime Monophase Pro Scan, which is directly scannable, too, offers all the advantages of the Flexitime system for its monophase indications and is ideally suited for implant impressions. We also offer a practical solution for automatic mixing. High-speed mixing with our Dynamix speed system is easy and saves precious time.

■ A 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.

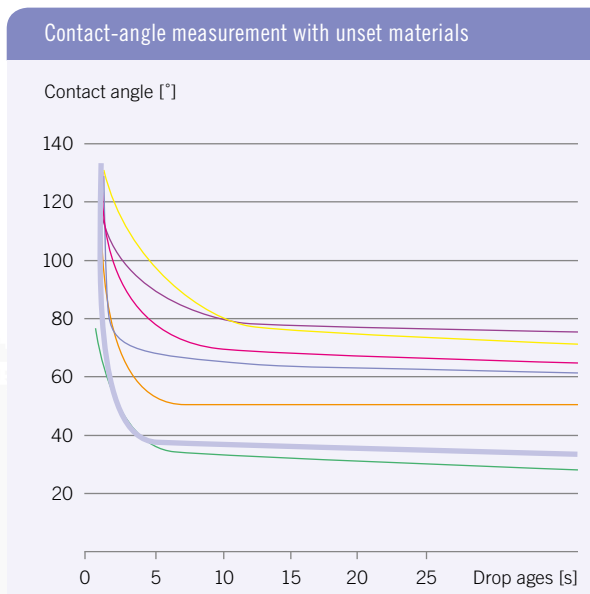
▶ Flexitime is our answer to your standards of precision and your desire for flexibility.

Everything is well matched.

Our precision impression material Flexitime has been developed especially for the high requirements of modern prosthetics. The balance of clinically relevant properties such as dimensional accuracy, detail reproduction and hydrophilicity in Flexitime allows the highest precision and accuracy of fit. Numerous scientific studies and awards confirm the reliability and quality of Flexitime.

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

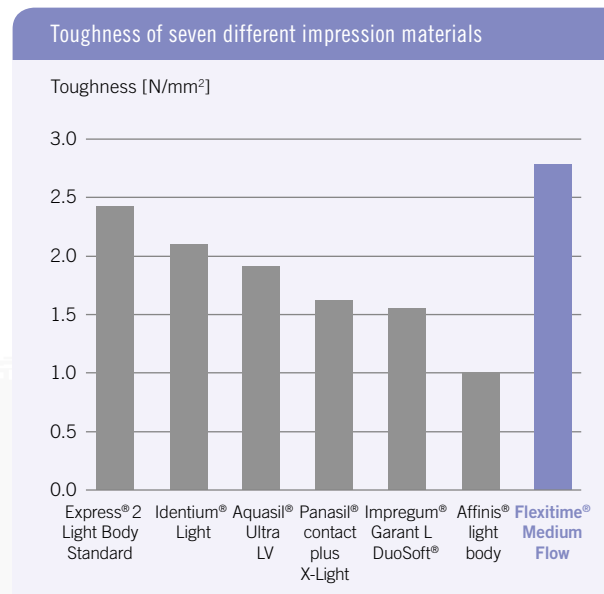
Source: Geis-Gerstorfer J: High-resolution contact-angle measurements, University of Tübingen, Germany, May 2009. Documentation available.

Precision of fit

- Low dimensional changes (–0.001 %)*.
- Reproduces details of surface roughness of under 20µm**.
- Convincing hydrophilic properties – high reproduction of details thanks to excellent flowability.

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.

* 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.

Flexitime® Fast & Scan

The extra-fast-setting A-silicone.

Flexitime Fast & Scan – your ideal partner for single-tooth restoration.

A couple of products from our Flexitime system are also available in a Fast & Scan version. With Flexitime Fast & Scan you save even more time, because it is particularly suitable for 1–3 unit impressions. Your patients will appreciate the greater comfort resulting from the shorter intraoral setting time. Besides high precision and flexibility, Flexitime Fast & Scan offers the additional option of directly scanning the impressions.

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.)












The allrounder among A-silicones.

Its possible combinations make it flexible, too.

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.

Indication	Impression technique	Viscosity of tray material	Product recommendation
Crowns and bridges	Two-stage impression (correction mixing technique)	Highly viscous	 Step 1 Heavy Tray  Step 2 Light Flow
		Kneadable, highly viscous	 Step 1 Putty  Step 2 Light Flow
	Single-stage impression (double-mixing technique)	Highly viscous	 Heavy Tray +  Medium Flow /  Correct Flow
	Single-stage Impression (sandwich technique)	Kneadable, highly viscous	 Putty +  Medium Flow /  Correct Flow
	Monophase impression	Medium viscous	 Monophase
Functional impressions	Monophase impression	Medium viscous	 Monophase

- We recommend the generalist Flexitime assortment for single-tooth to multiple-unit restorations. The faster-setting Flexitime Fast & Scan is optimally suited for 1–3 unit impressions.

Indication	Impression technique	Viscosity of tray material	Product recommendation
Inlays and onlays	Single-stage impression (double-mixing technique)	Highly viscous	 Heavy Tray +  Medium Flow /  Correct Flow
	Single-stage impression (sandwich technique)	Kneadable, highly viscous	 Putty +  Medium Flow /  Correct Flow
	Monophase impression	Medium viscous	 Monophase
Transfer and implant impression	Single-stage impression (double-mixing technique)	Highly viscous	 Heavy Tray  Medium Flow /  Correct Flow
	Monophase impression	Medium viscous	 Monophase



The Dynamix® speed system

Precision at the push of a button.

The convenience of not having to do everything yourself.

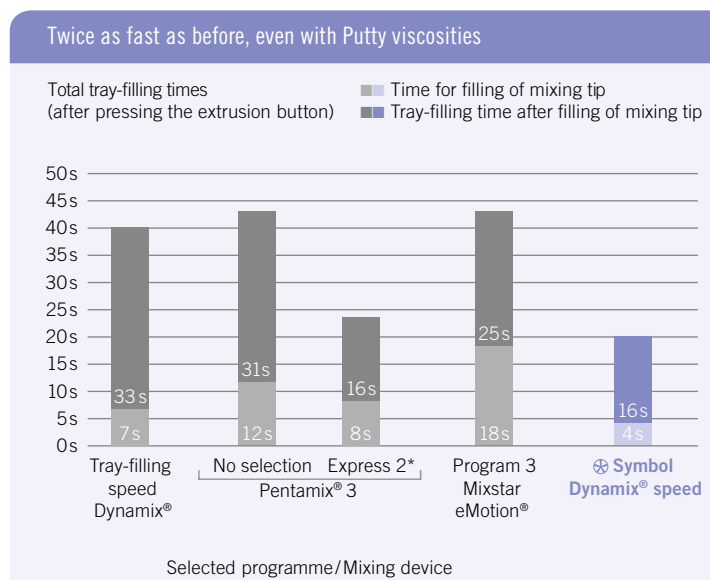
When it comes to high-speed mixing, time-saving and simultaneously obtaining a consistent, void-free mixture, the decision is easily made: practical cartridges and the functional Dynamix speed mixer are perfectly matched in this well-thought-out system featuring all the advantages of automatic mixing for impression materials.

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.

Its efficiency is due to high speed

- High-speed mixing and precise dispensing, also for Putty viscosities.
- Easy and reliable handling.
- Savings in time and material.
- 3 selectable velocities – including the new high-speed option.



* Pentamix® 3 offers a fast extrusion speed exclusively for 3M ESPE products, therefore tested with Express 2.

Tray filling with Flexitime Dynamix Putty, average tray size (40 ml)
Source: Kulzer Research & Development. Data on file.



Flexitime® Bite

Modern bite registration.

Endurance test? Passed!

Flexitime Bite is a scannable bite registration material that is suitable for both universal bite registration and also for powder-free optical data recording of the antagonists for CAD/CAM technology.

Your benefits following from the outstanding material properties

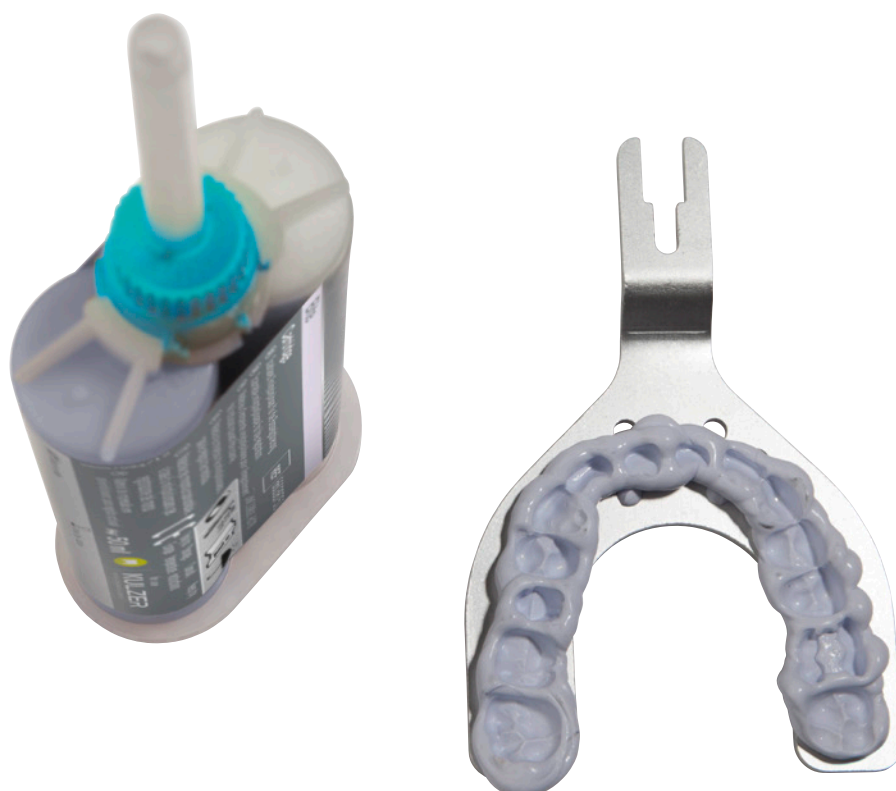
- Flexitime Bite is extra-hard and precise. Its very high final hardness of Shore D 40 prevents undesirable shifts when adjusting the position of the casts in the articulator.
- Distinct thixotropy avoids flowing off from the occlusal surface into the interdental spaces, and enables easy removal from 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.



Flexitime® Fast & Scan

Product range.

Dynamix Cartridge Trial Kits

Flexitime Fast & Scan

Dynamix Putty + Flow Trial Kit

1 x 380ml Fast & Scan 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)
Art. code: 66044883

Flexitime Fast & Scan

Dynamix Heavy Tray + Flow 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)
Art. code: 66045793

Dynamix Cartridge Refills

Flexitime Fast & Scan

Dynamix Putty Refill

2 x 380ml Fast & Scan Dynamix Putty
1 x 2 Dynamix Mixing Tips
1 x 1 Dynamix Fixation Ring
Art. code: 66044882

Flexitime Fast & Scan

Dynamix Heavy Tray Refill

2 x 380ml Fast & Scan Dynamix
Heavy Tray
1 x 2 Dynamix Mixing Tips
1 x 1 Dynamix Fixation Ring
Art. code: 66045755

50 ml Automix Cartridge Refills

Flexitime Fast & Scan Medium Flow

2 x 50ml Fast & Scan Medium Flow
12 Mixing Tips yellow
Art. code: 66044881

Flexitime Fast & Scan Light Flow

2 x 50ml Fast & Scan Light Flow
12 Mixing Tips yellow
Art. code: 66044871

Flexitime Fast & Scan Heavy Tray

2 x 50ml Fast & Scan Heavy Tray
6 Mixing Tips green
Art. code: 66060792

Handmix Trial Kit

Flexitime Fast & Scan

Easy Putty + Flow Trial Kit

1 x 600ml Fast & Scan Easy Putty
(each 300ml Base & Cat.)
1 x 50ml Fast & Scan Light Flow
1 x 50ml Fast & Scan Medium Flow
12 x Mixing Tips yellow
12 x Intraoral Tips yellow
1 x Universal Adhesive (10ml)
Art. code: 66045791

Handmix Refill

Flexitime Fast & Scan Easy Putty Refill

1 x 600ml Fast & Scan Easy Putty
(1 x 300ml each Base & Cat.)
Art. code: 66045754



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)
 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
 1 x Universal Adhesive (10ml)
 Art. code: 66041071

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)
 Art. code: 66035989

Flexitime Dynamix Monophase Pro Scan Trial Kit

1 x 380ml Dynamix Monophase Pro Scan
 10 x Dynamix Mixing Tips
 1 x Dynamix Fixation Ring
 1 x Universal Adhesive (10ml)
 Art. code: 66049132

Dynamix Cartridge Refills

Flexitime Dynamix Putty Refill

3 x (2 x 380ml Dynamix Putty,
 2 Dynamix Mixing Tips,
 1 Dynamix Fixation Ring)
 Art. code: 66035991

Flexitime Dynamix Heavy Tray Refill

3 x (2 x 380ml Dynamix Heavy Tray,
 2 Dynamix Mixing Tips,
 1 Dynamix Fixation Ring)
 Art. code: 66035992

Flexitime Dynamix Monophase Refill

3 x (2 x 380ml Dynamix Monophase,
 2 Dynamix Mixing Tips,
 1 Dynamix Fixation Ring)
 Art. code: 66035993

Flexitime Dynamix Monophase Pro Scan Refill

2 x 380ml Dynamix Monophase Pro Scan,
 2 Dynamix Mixing Tips,
 1 Dynamix Fixation Ring
 Art. code: 66045801

50 ml 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
 1 x Universal Adhesive (10ml)
 Art. code: 66041063

50 ml Automix Cartridge Refills

Flexitime Heavy Tray Refill
 6 x (2 x 50ml Heavy Tray,
 6 Mixing Tips green)
 Art. code: 66002193

Flexitime Monophase Refill

6 x (2 x 50ml Monophase,
 6 Mixing Tips green)
 Art. code: 66002200

Flexitime Medium Flow Refill

6 x (2 x 50ml Medium Flow,
 12 Mixing Tips yellow)
 Art. code: 66041062

Flexitime Correct Flow Refill

6 x (2 x 50ml Correct Flow,
 12 Mixing Tips yellow)
 Art. code: 66002186

Flexitime Light Flow Refill

6 x (2 x 50ml Light Flow,
 12 Mixing Tips yellow)
 Art. code: 66041061

Flexitime Bite Cartridge Refill

3 x (2 x 50ml Flexitime Bite,
 12 Mixing Tips green)
 Art. code: 66038751

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
 1 x Universal Adhesive (10ml)
 Art. code: 66041064

Handmix Refill

Flexitime Easy Putty Refill

4 x 600ml Easy Putty
 (each 300ml Base & Kat.)
 Art. code: 66002103

Flexitime® Monophase Pro Scan – Confidently precise, also for implants.

The specialist for all monophase indications.

- **For your safety:** Flexitime Monophase Pro Scan offers outstanding precision due to the balance of physical properties at the highest scientific level.
- **For your convenience:** Flexitime Monophase Pro Scan is especially suited to implant impressions and offers optimised final hardness and hydrophilicity with the customary flexible handling.
- **For your excellent reputation:** With its short time in the mouth, Flexitime Monophase Pro Scan ensures greater patient comfort.



Contact in Germany

Kulzer GmbH
Leipziger Straße 2
63450 Hanau, Germany
info.dent@kulzer-dental.com

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