

Flexitime®

Product Information



Flexitime®

Relaxed precision. Every time.

Giving a hand to oral health.



KULZER
MITSUI CHEMICALS GROUP

Recommendations

"Standard Flexitime® VPS impression material has been in the market for more than 20 years. I have been utilizing Flexitime Heavy Tray & Correct Flow for more than 15 years. Flexitime® VPS is a very dependable material in my hands every time. My practice must have a reliable impression material which is dependable with the demands of a group prosthodontic practice to ensure high quality restorations.

I believe that material is Kulzer's Flexitime® VPS impression solutions."



Dr. Simon Wylie
Specialist Prosthodontist
M.D.Sc. F.R.A.C.D.S.
Australia

"Fast & Scan impression material gives me good marginal reproduction and it flows over the surface of the preparation very well which ensures I have no issues with voids. My practice & lab has digital scanning technology and that is why I chose Fast & Scan from Kulzer Australia. Consistently good results everytime!"



Dr Philip Tan
Specialist Prosthodontist
BDS, GradDipClinDent, MSD (Iowa),
GradCertPros (Iowa), FPFA, MRACDS
Australia

"I have been an Aquasil user for years and this is the first material that I have tried that outperforms that product. The margin detail is amazing and I am so glad to have been introduced to Flexitime®. If you are not using it, you have to try it. This is far superior to anything I have ever used."



Philip Kemp, DDS
USA

"My local lab began scanning my Flexitime® Fast & Scan impressions with the Dental Wings impression scanner last year. We have been doing mostly full contour crowns with the technology and I have been thrilled with the precise fit and adaptation. Seating times are significantly shorter and remakes have been virtually eliminated. Additionally, my lab gets the crowns back to us within five days, which limits the time our patients are in temporaries. I could not imagine going back to the old method."



Dr. Allan Coopersmith, BSc,
DDS, FAGD, FICD
USA

Flexitime®

VPS Impression Solutions



Proven Performance

Flexitime combines over twenty years of market experience with the outstanding performance and features of a precision impression material. The outcome is an innovative A-silicone which guarantees precision as well as customized working procedures. Flexitime adapts to your needs at all times. For the flexibility you need and precision you can depend on.

- More than 20 years of research and development
- Full range of indications
- 6 varying viscosities
- THE DENTAL ADVISOR and Reality® validated

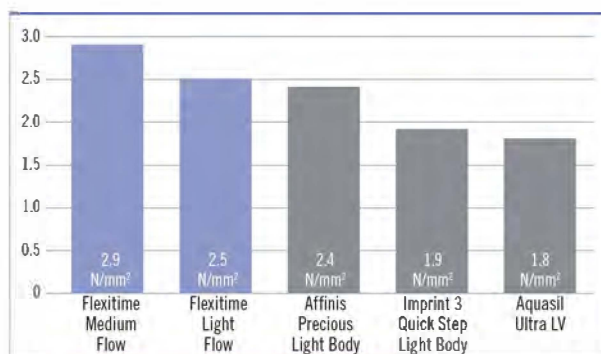


There's a system behind precision in prosthetics.

Our precision impression material has been developed for the demanding requirements of modern prosthetics. Flexitime's balance of clinically critical properties such as dimensional accuracy, detail reproduction and hydrophilicity, allows for the highest precision of fit.

Exceptional toughness prevents tearing and distortion upon removal

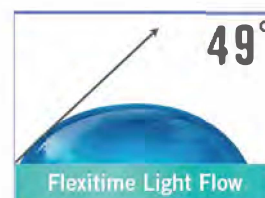
Toughness: This graph reflects how the Flexitime material features superior toughness and has the best ability to resist tears



Source: Research & Development, Kulzer GmbH. Data on file.

Superior hydrophilicity on a polyether level for excellent detail reproduction

Flexitime offers an extremely low contact angle on a polyether level to capture detail in moist environments.



Contact angle 3-seconds after application on unset impression material.

Source: Research & Development, Kulzer GmbH. Data on file.

Flexitime®

Precision emerges from science and experience.

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.

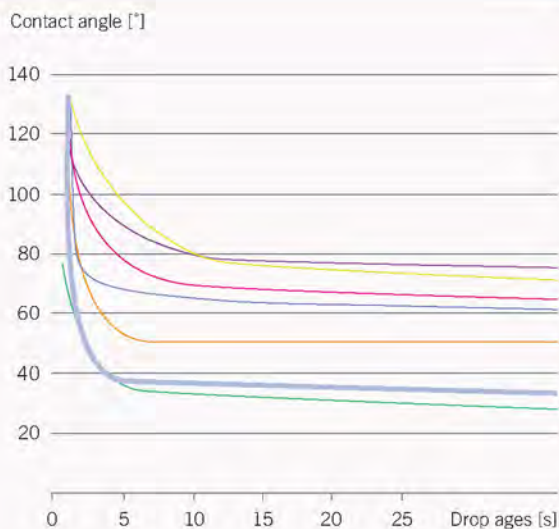
Precision of fit

- 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.

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.

Contact-angle measurement with unset materials

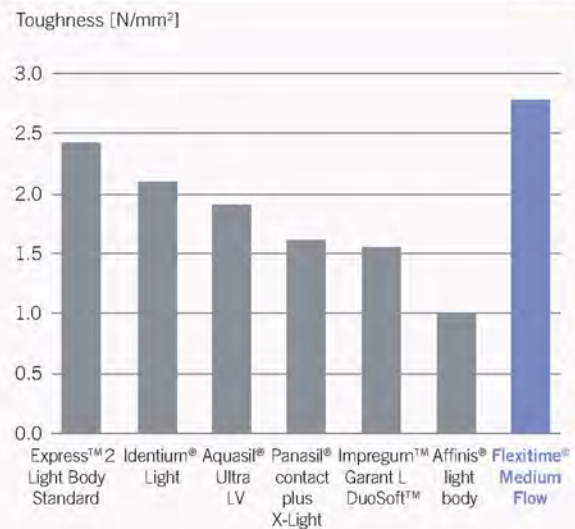


Flexitime® Light Flow

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

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

Toughness of seven different impression materials



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

Source: Geis-Gerstorf J: High-resolution contact-angle measurements, University of Tübingen, Germany, May 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.

Dynamix®speed 2

Precision at the push of a button

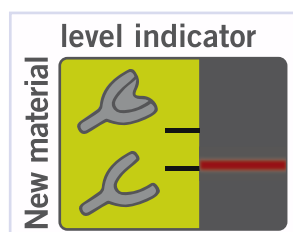


When it comes to high-speed mixing, time-saving and simultaneously obtaining a consistent, void-free mixture, the decision is easily made: practical cartridges and the functional Dynamix®speed 2 mixer are perfectly matched in this well-thought-out system featuring all the advantages of automatic mixing for impression materials.



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.



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.

Flexitime® Fast & Scan

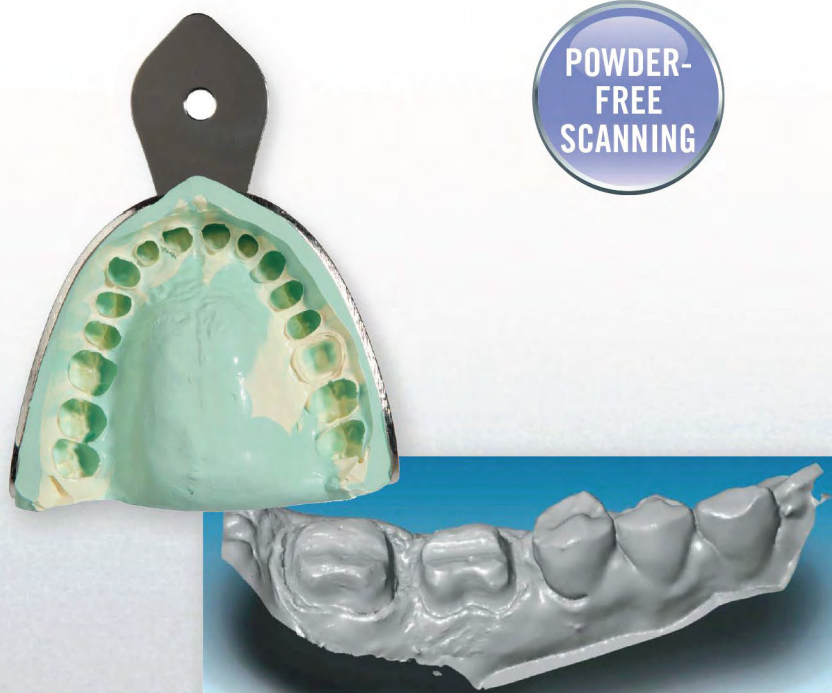
Creating digital impressions with traditional impression material.



The new Flexitime Fast & Scan material supports CAD/CAM manufacturing of prosthetic restorations and offers optimal workflow integration for all your impression needs and their digitalization.

- Flexible working time of **0:30 to 1:30 minutes**, short intraoral setting time of only **2:00 minutes**
- Benefit of modern CAD/CAM restorations
 - Without having to change your traditional impression technique
 - Without having to invest in new hardware
 - Higher precision thanks to direct scanning (powder-free) of impressions
 - Process optimization by reducing steps, i.e. no pouring of a model before scanning
- No limits with regards to preparation of subgingival margins
- Increased efficiency in the handling process with the laboratory
 - Construction/manufacturing of coping starts based on the digitalized data, parallel to the manufacturing of the model
- 4 different viscosities in 3 different delivery forms

Ready
to Scan



Validated by Dental Wings iSeries, Medit Identica Blue scanner and the 3Shape D700 and above scanners.



Flexitime® Bite

The Foundation for Accurate Results.

Flexitime Bite delivers exceptional accuracy with an extremely high shore D hardness of 40 and superior powder free scannability and optimization.

- Trims easily without crumbling and offers a whipped cream-like consistency
- Short **30 second** setting time



Flexitime®

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 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.

Flexitime®

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.

Flexitime® - Working times, product indications and recommendations

Flexible Working Time

Impression	Product	Flexible Working Time	Setting Time
Multiple-Unit Impression	Flexitime/Flexitime Dynamix	1:00–2:30	2:30
	Flexitime Fast & Scan	0:30–1:30	2:00
Single-Unit Impression	Flexitime Fast & Scan	0:30–1:30	2:00

Product Indications

Indication	Impression Technique	Viscosity of Tray Material	Product Recommendation
Crown & Bridge Impressions	Two-Step (Two materials, two steps)	Highly viscous Putty - kneadable, highly viscous	Heavy Tray + Light Flow/Correct Flow Heavy Tray/Putty + Light Flow/Medium Flow Putty + Light Flow Fast & Scan Putty, (Heavy Tray + Light Flow/Medium Flow)
	Double-Mix (Two materials, one step)	Highly viscous Putty - kneadable, highly viscous	Heavy Tray + Medium Flow/Correct Flow Heavy Tray/Putty + Light Flow/Medium Flow Fast & Scan (Putty, Heavy Tray + Light Flow/Medium Flow)
	Putty Push/ Sandwich/Invisalign (Two materials, one step)	Kneadable, highly viscous	Putty + Medium Flow/Correct Flow Fast & Scan (Heavy Tray/Putty + Light/Medium Flow)
	Monophase (One material, one step)	Medium viscous	Monophase
Functional (Full Denture) Impressions	Monophase (One material, one step)	Medium viscous	Monophase
Inlay/Onlay Impressions	Double-Mix (Two materials, one step)	Highly viscous	Heavy Tray + Medium Flow/Correct Flow Fast & Scan (Heavy Tray/Putty + Light/Medium Flow)
	Putty Push/ Sandwich/Invisalign (Two materials, one step)	Kneadable, highly viscous	Putty + Medium Flow/Correct Flow Fast & Scan (Heavy Tray/Putty + Light/Medium Flow)
	Monophase (One material, one step)	Medium viscous	Monophase
Implant/Transfer (Partial Denture) Impressions	Double-Mix (Two materials, one step)	Highly viscous	Heavy Tray + Medium Flow/Correct Flow Fast & Scan (Heavy Tray/Putty + Light/Medium Flow)
	Monophase (One material, one step)	Medium viscous	Monophase

Flexitime® Fast & Scan

Fast & Scan Heavy Tray (2x50mL Cartridges with Mixing Tips)	66060792
Fast & Scan Light Flow (2 x 50 mL Cartridges with Mixing Tips)	66044871
Fast & Scan Medium Flow (2 x 50 mL Cartridges with Mixing Tips)	66044881
Fast & Scan Easy Putty (600 mL)	66045754

Flexitime® Dynamix® speed

DYNAMIX SPEED 2	66093755
------------------------	-----------------

Flexitime® Dynamix® Impression Material

Flexitime Dynamix Putty Refill (2x380ml)	40003992
Flexitime Dynamix Mono Refill (2x380ml)	40003990
Flexitime Dynamix HT Refill (2x380ml)	40003991
Flexitime Fast & Scan Dynamix Heavy Tray (2x380ml)	66045755
Flexitime Fast & Scan Dynamix Putty (2x380ml)	66044882

Flexitime® Bite

Flexitime Bite (2 x 50 mL Cartridges with 6 Mix Tips)	50066038
--	-----------------

Flexitime®—VPS Impression Material

Easy Putty (600 mL)	50034802
Heavy Tray (2 x 50 mL Cartridges with Mixing Tips)	50034804
Correct Flow (2 x 50 mL Cartridges with Mixing Tips)	50034806
Medium Flow (2 x 50 mL Cartridges with Mixing Tips)	40005041
Light Flow (2 x 50 mL Cartridges with Mixing Tips)	40005040
Monophase (2 x 50mL Cartridges with Mixing Tips)	50034811

ACCESSORIES

Mix Tips 4.2mm Yellow (48 Count)	66001988
Mix Tips 6.5mm Green (48 Count)	66001989
Intraoral Tips, Yellow (96 Count Small)	66000782
Intraoral Tips, Clear (96 Count)	65687514
Universal Silicone Adhesive (10 mL)	65607758
Dispensing Gun 2 (2:1/1:1)	66001970

DYNAMIX ACCESSORIES

Dynamix Mixing Tips (1 x 50 Mixing Tips)	40004353
Dynamix Fixation Ring (1 x 2 Count)	66047385

TWENTY YEARS
FLEXITIME 20



FLEXITIME® FAST & SCAN –

Providing a Way to Digitise your Traditional Impression Material

Many products from our Flexitime system are also available in a Fast & Scan version. For you this means even higher time-savings.

Besides high precision and flexibility, Flexitime Fast&Scan offers the additional option of direct digital scanning.

Fast and flexible

- **Fast:** Flexitime Fast&Scan allows a time-saving, more efficient workflow for 1–3 unit stump impressions. The shortened intraoral setting time of only 2:00 minutes increases your patients' comfort and saves time for you.
- **Flexible:** The working time of 0:30 to 1:30 minutes enables your customized 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 workflows and without having to invest in hardware or software.
- **Economical work processes:** The digital scanning of impressions means further time-savings for you and an augmented efficiency in the cooperation with your lab.



POWDER-FREE SCANNING

Kulzer Australia Pty Ltd
 Unit 20, 53 Lorraine St
 Peakhurst NSW 2210
info.australia@kulzer-dental.com