



# FLEXCEED

VINYL POLYSILOXANE IMPRESSION MATERIAL

## EXCEEDS YOUR EXPECTATION

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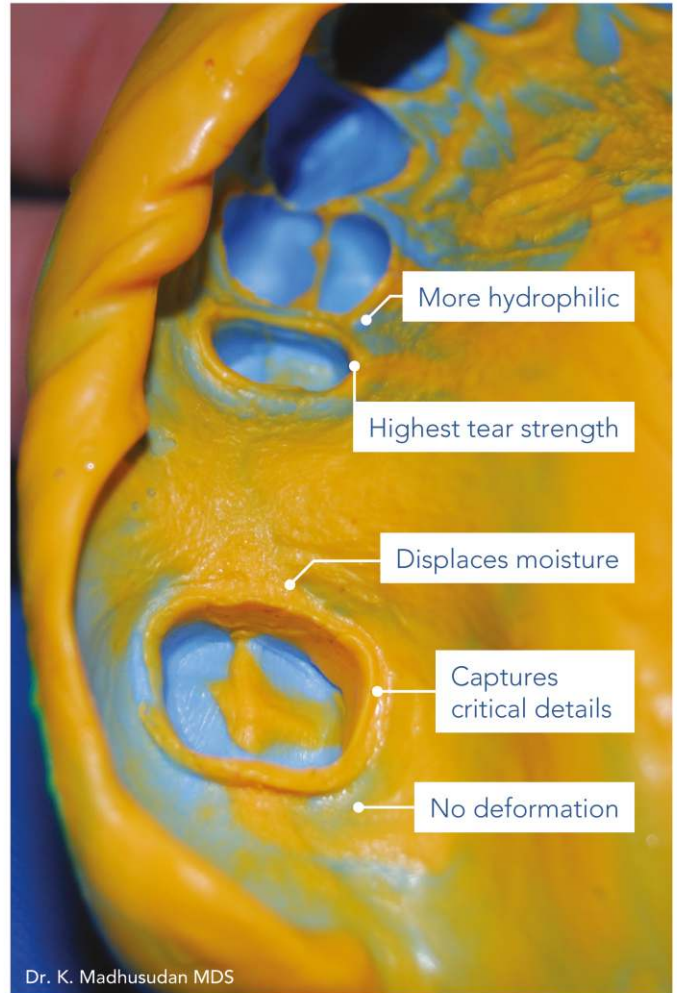


# FLEXCEED, the path to new crown and bridge opportunities

An **affordable** vinyl polysiloxane impression material which **accurately replicates the highest level of detail** is a big step forward for practices wanting a higher level of crown and bridge quality.

To meet this challenge GC are pleased to announce the introduction of a new vinyl polysiloxane material: FLEXCEED – developed and manufactured by GC Corporation in Japan, packaged and distributed by GC India.

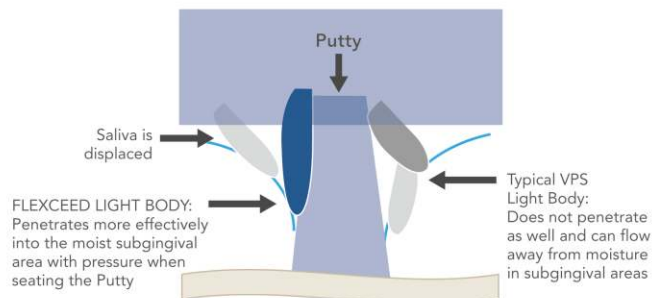
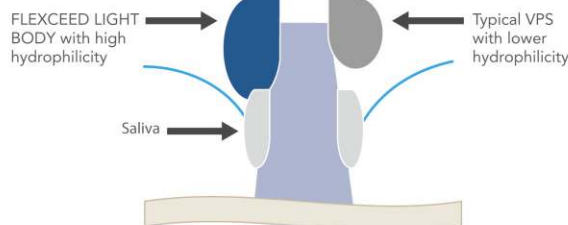
**FLEXCEED** helping you achieve impressions that will exceed your expectations.



## FLEXCEED innovation captures the details

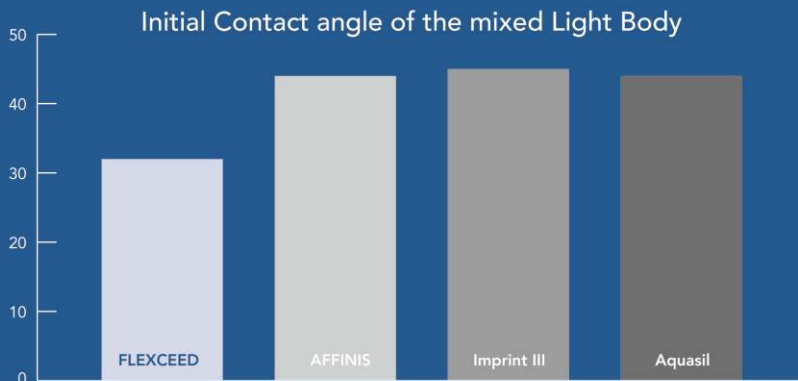
- Right Impression is the primary need for any indirect restoration.
- The indecision on a right Impression invokes recurring costs & reduced revenue,
- FLEXCEED with its precision and cost ensures predictive indirect restorations time & again.

FLEXCEED exceeds your expectations: With its lowest 'Contact Angle' in the segment, FLEXCEED displaces moisture and flow into subgingival areas rather than tending to flow away onto mucosal surfaces. This is how FLEXCEED is able to produce greater impression detail.



## FLEXCEED LIGHT BODY is more hydrophilic

The initial contact angle of a water droplet on an impression material helps measure the ability of a material to wet surfaces.



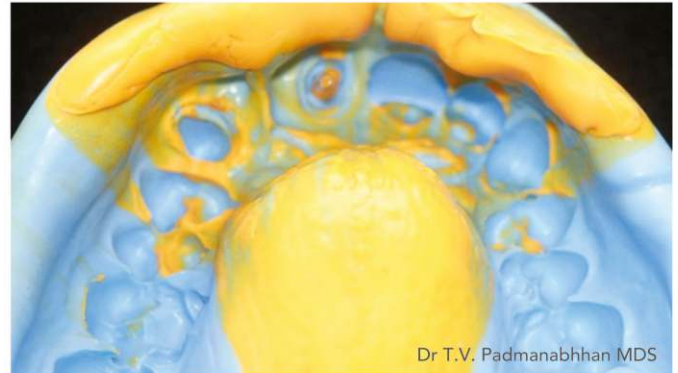
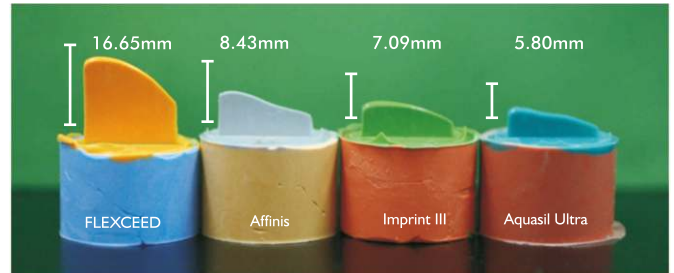
## FLEXCEED LIGHT BODY penetrates beyond the previous standards

The Shark Fin test measures the ability of an impression material to flow under pressure added by mixed PUTTY. FLEXCEED LIGHT BODY flows beyond previous generation VPS materials to capture a higher level of impression detail.

## FLEXCEED is the optimum putty wash combination

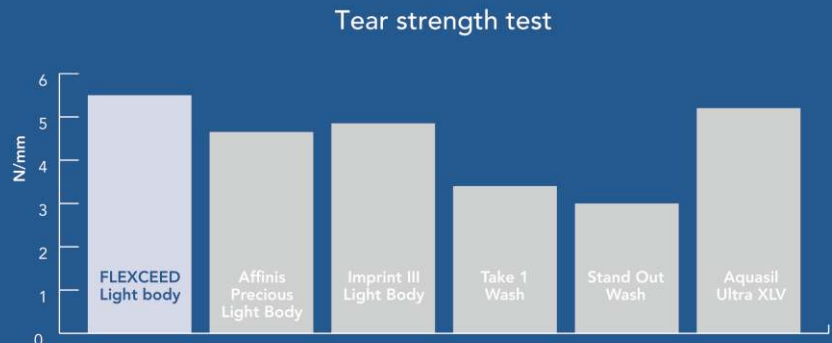
FLEXCEED PUTTY is designed to be soft, easy to mix and formulated so it will flow and offer exceptional reproduction of detail.

FLEXCEED LIGHT BODY is formulated to wet surfaces, displace fluid and capture the critical preparation and marginal detail. It works with FLEXCEED PUTTY to give you an exceptional partnership of material viscosities for impression detail that will exceed your expectations.



## Highest tear strength

Achieving superior subgingival penetration and capturing even more detailed areas it becomes even more important to have high tear strength. The new formulation of VPS from GC offers tear strength at the highest level of performance.

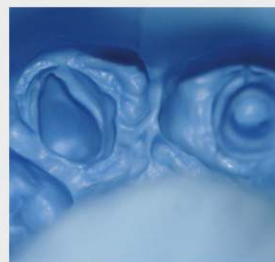


## FLEXCEED exceeds the performance of other impression materials

There are many reasons why FLEXCEED is a superior option to other impression materials:

- The **reproduction of detail is better** with FLEXCEED because of the use of two viscosities (Putty & Light Body). The Light Body is in an injectable form and when under pressure from the Putty during seating is better able to penetrate margins and capture finer marginal details.
- FLEXCEED **exhibits pseudo-plastic properties for precision** which is not found in alginates.
- FLEXCEED has **far superior tear strength** compared to other impression materials. Even more impressive is FLEXCEED has greater tear strength than any other VPS material currently available in the market.
- FLEXCEED has **better dimensional stability** thereby multiple models can be poured up to two weeks following the date of impression.
- FLEXCEED has **good hydrophilicity** – achieves great detail, even in challenging moisture environments.
- FLEXCEED is **compatible with gypsum products**. In contrast alginate can interfere with the gypsum setting process leading to a chalky surface on the working model of the cast.
- FLEXCEED has **superior wetting characteristics** to aid model pouring and ensuring the gypsum working cast is hard with a smooth surface finish.
- FLEXCEED **impressions can be subjected to cold sterilisation** without compromising the details and dimensional stability of the impression.

**FLEXCEED:** reproduction of detail, tear strength, dimensional stability are all superior to other impression materials.



Radicular impression for CAST POST restoration of tooth No. 21 Putty – light body wash, single impression technique – Dr T.V. Padmanabhhan MDS



## Single-step Putty Wash Impression procedure



Take equal quantity of FLEXCEED Base & Catalyst with the prescribed scoop.



Knead the FLEXCEED Base & Catalyst slowly – only with the vinyl gloved hand. Stop kneading once the uniform blue colour is achieved.



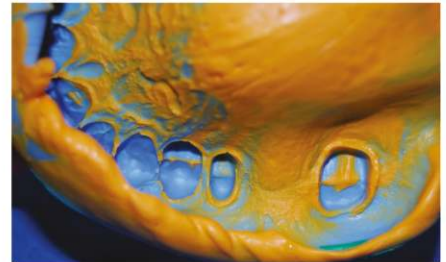
The FLEXCEED Putty is loaded in the tray.



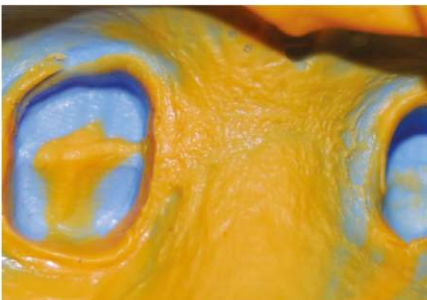
The nozzle remains immersed in the material to ensure no air entrapment while injecting the FLEXCEED Light Body.



Using the intra-oral tips the FLEXCEED Light Body is directly injected around the prepared tooth.



Due to the contrasting colour the FLEXCEED impression details are easy to read.



Case & pictures courtesy Dr. K. Madhusudan MDS

## Two-step Putty Wash



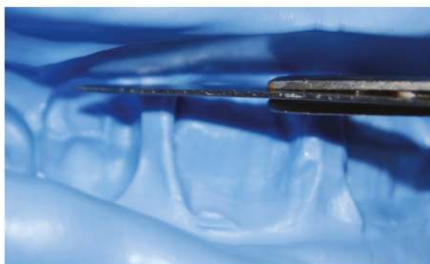
Prepared Tooth No.1 Central Incisor.



After applying GC tray adhesive, FLEXCEED PUTTY is loaded on the stock tray.



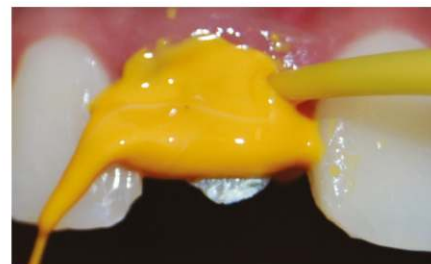
PUTTY impression is taken with FLEXCEED PUTTY.



Space is created for the Light Body by using a PUTTY cutter.



The FLEXCEED PUTTY impression.



Inject the FLEXCEED Light Body around the prepared tooth for definitive penetration.



The final impression using FLEXCEED PUTTY & FLEXCEED Light Body.



Final Metal Free Restoration with good margin adaptation.



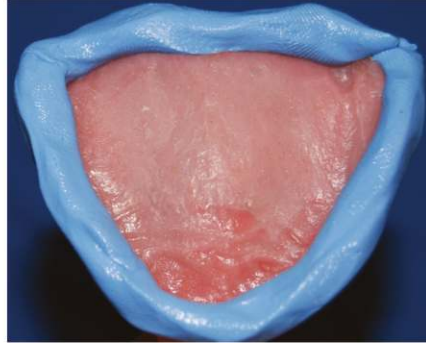
Impression of Single Unit, Lateral Incisor using Two-step Putty Wash technique with FLEXCEED  
– Dr. K. Madhusudan MDS



## Complete Denture



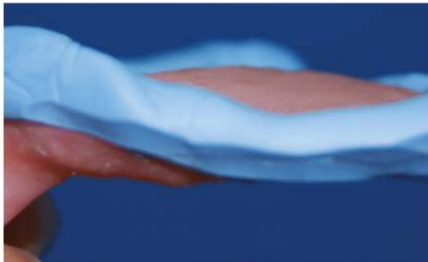
Apply GC Tray Adhesive to the custom acrylic tray.



FLEXCEED Putty material is loaded for border moulding.



Front View of the border moulding completed with FLEXCEED PUTTY.



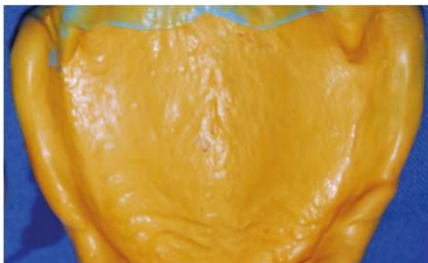
Lateral View of border moulding completed with FLEXCEED Putty.



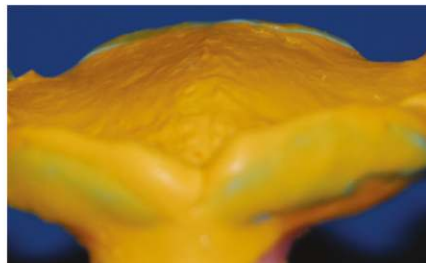
FLEXCEED Light Body is loaded.



Ready to seat.



Completed upper impression.



Lateral view of final upper impression.



Completed lower impression.

Complete Denture Impression using Border Moulding technique – Dr. K. Madhusudan MDS



## Dual Arch impressions



Putty loaded onto Triple Tray (Dual Arch Tray).



Light viscosity injected over putty.



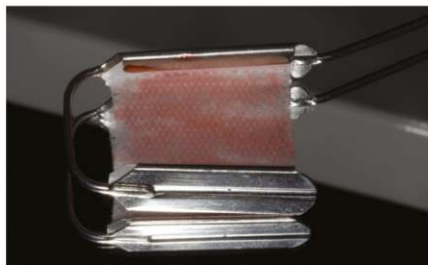
Final impression.

Dr. K. Madhusudan MDS

## Double Impression Technique: Crown



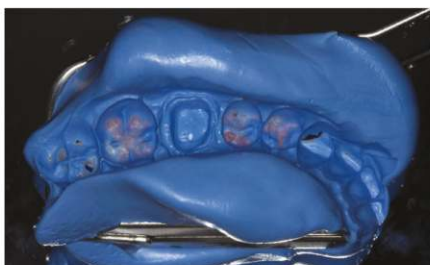
Composite core build up; Crown prepared.



GC Tray adhesive applied to the tray prior to taking impression.



FLEXCEED PUTTY loaded in the tray and placed accordingly in the patient's mouth.



Putty indexes of both arches obtained with FLEXCEED PUTTY (Mandibular).



The FLEXCEED putty indexed impression relined with FLEXCEED light body to gain more detail. The tray placed in the patient's mouth again.



Maxillary arch final impression in GC FLEXCEED impression material with a double step technique.

# Q&A

## What is the advantage of having a “soft” putty consistency with FLEXCEED?

It offers easy manipulation of the base & catalyst therefore reducing mixing time and giving additional working time. FLEXCEED putty requires less effort to seat the tray while taking an impression, therefore improving comfort of the patient. Less effort to seat the tray also means a reduced quantity of material is needed for the impression.

## Is there any difference between Light Body & Ultra-light Body consistencies?

There is minimal difference between the two forms; It totally depends upon the operator's preference. Both school of thought exists and appreciated equally.

## Why are mixing tips better for impression quality and why are they more economical than hand mix versions?

Using FLEXCEED mixing tips means avoiding wastage of material on the mixing pads. The spirals in the mixing tube take the majority of the volume in the mixing tip and hence the wastage is negligible compared to the comfort offered.

## Why is FLEXCEED preferred over Polyether impression materials?

Polyether material has bitter taste and uncomfortable smell; They are characterized by high rigidity once set and water absorption during disinfection. Whereas FLEXCEED is characterized by SOFT PUTTY and has no smell or taste.

## Why is FLEXCEED a better choice than C-Silicones?

The C-Silicone is available only as putty for tray material and light body in a hand-mixed tube delivery. The additional steps and time taken to hand mix and load a syringe for direct delivery leads to issues of:

- inaccurate proportioning
- cumbersome preparation
- additional chair time for the procedure
- excessive material waste

Also, the C-Silicone impressions cannot be stored as they shrink within three hours despite the inclusion of additives used to absorb ethyl alcohol, the by-product of the setting reaction.

## Why has FLEXCEED been developed for the putty wash technique?

Quick and simple techniques are often the most successful techniques! Introducing an affordable putty-wash impression material means you can benefit from a simple, stable and cost-effective impression taking technique.



### Why do we indicate usage of intra-oral tips in taking FLEXCEED impressions?

The FLEXCEED intra-oral tips feature a smaller nozzle, to ensure:

- Better flow
- Precise delivery of material into the critical and inaccessible areas
- Optimal usage of material
- Zero voids

### What are the recommended storage conditions for FLEXCEED?

Store at room temperature (15-25°C), avoiding direct sunlight.

### What are the physical properties of FLEXCEED?

Parameters	FLEXCEED LB (Type- 3)	FLEXCEED PUTTY (Type- 0)
Mixing time	0	20 sec.
Total Working time	2 min.	1 min.
Minimum time in mouth	3 min.	3 min.

## FLEXCEED KIT

Contains:

PUTTY

1x Base – 500g (278mL)

1x Catalyst – 500g (278mL)

LIGHT BODY

2x Cartridges – 78g (50mL)

8 Mixing Tips (Yellow)

8 Intraoral Tips

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