

STORAGE

Store at normal room temperature (15 - 25°C). Avoid direct sunlight.
(Shelf life: 3 years from date of manufacture.)

PHYSICAL PROPERTIES (Average)

	LIGHT BODY (Type 3: Light-bodied consistency)	PUTTY (Type 0: Putty consistency)
Mixing time	–	20 sec.
Total Working time	2 min.	1 min.
Minimum time in mouth	3 min.	3 min.
Elastic recovery	≥98%	≥98%
Strain in compression	2.5-3.5%	1-2%
Linear dimensional change	≤-0,20%	≤-0,20%
Detail reproduction	20µm	75µm
Compatibility with gypsum	20µm	75µm

* Test conditions: Temperature (74°F/23°C ± 4°F/2°C) Relative humidity (50 ± 5%)

PACKAGES

FLEXCEED KIT

- LIGHT BODY : 78g (50mL) x 2 cartridges,
- PUTTY TYPE : BASE PUTTY 500g (278mL) x 1, CATALYST PUTTY 500g (278mL) x 1,
Measuring spoon for BASE x 1, Measuring spoon for CATALYST x 1
- Mixing tip x 8 pieces, Intraoral tip x 8 pieces

FLEXCEED

VINYL POLYSILOXANE IMPRESSION MATERIAL

Prior to use, carefully read the instructions for use.

For use only by a dental professional in the recommended indications.

RECOMMENDED INDICATIONS AND USES

Indication	Impression Technique	Tray Type	Recommended Consistencies
Impression for facing, inlay, onlay, crown or bridge	Double mix single impression	Stock or Custom Tray	Putty + Light Body
	Double mix double impression (Putty – wash impression)		Putty + Light Body

CONTRAINDICATIONS

In rare cases, the product may cause sensitivity in some people. If any such reactions are experienced, discontinue the use of the product and refer to a physician.

PRECAUTIONS

1. When extruding or mixing FLEXCEED, care should be taken to avoid mixing or contact with the following materials. These may delay or prevent setting: Catalyst for condensation silicone impression materials, polysulfide impression materials, eugenol materials, sulfur, latex, oil, acrylates, glycerol and spray-type or ointment-type topical surface anesthesia (e.g. lidocaine).
2. Use plastic gloves or other polyethylene gloves when kneading the putty impression material. Do not use latex gloves. Do not interchange measuring spoons and caps of the container.



GC India Dental Private Limited

233, Phase 3, IDA, Pashamylaram, Patancheru Mandal,
Medak District, Hyderabad, Andhra Pradesh 502307, India

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DIRECTIONS FOR USE

CARTRIDGE LOADING AND DISPENSING

1. Lift the **release lever** of GC CARTRIDGE DISPENSER II and **pull** the piston **plunger all the way back** into the dispenser. Lift the **cartridge holder** of the dispenser and **load** the cartridge, ensuring that the V-shaped notch on the **flange** of the cartridge is facing down. Push the **cartridge holder** down to **hold the cartridge firmly in place**.
2. Lift the **release lever** and push the piston **plunger forward until** it engages into the cartridge.
3. Remove the cartridge cap by rotating 1/4 turn anti-clockwise. **Tilt** the cap downward and **peel** it away from the cartridge. Gently squeeze the dispenser handle to extrude a **small amount of material** from the two openings at the end of the cartridge. Make sure that base and catalyst come out evenly.
4. **Align** the V-shaped notch on the rim of the **MIXING TIP** to the V-shaped notch between the cartridge barrels. Push **firmly** to attach the mixing tip. Then rotate the **colored collar** of the mixing tip 1/4 turn **clockwise** to the end of the cartridge. The dispenser is now ready for use.
5. Squeeze the handle **several times** to extrude the material. After use, do not remove the **MIXING TIP** as this will become the storage cap until next use. When **replacing** the **MIXING TIP**, rotate the **collar** on the mixing tip 1/4 turn anti-clockwise to **align** the V-shaped notch on the cartridge. **Tilt** the mixing tip downward and **peel** it away from the cartridge.
6. Remove the **old mixing tip** prior to next use. Before attaching a new tip, **gently extrude** a **small amount of material** to ensure that base and catalyst are **flowing evenly** from both openings. If the materials should fail to extrude, remove any hardened materials from the end of the cartridge.
7. To **replace** the cartridge, **lift** the **release lever** and retract the piston **plunger fully**. Remove the empty cartridge by **lifting** the cartridge holder and **load** a new one into the dispenser.

IMPRESSION STEP

Double mix double impression (Putty – wash impression)

Note:

Prior to use, **leave the material** to stand at room temperature. Cooled or refrigerated material may **delay setting**.

1. Make sure the preparation is dry and free of debris during impression taking.
2. **Apply** a tray adhesive (GC Universal VPS Adhesive, etc.) onto the tray and **leave to dry**. Read manufacturer's instructions for use.
3. Take **equal** amounts of BASE PUTTY and CATALYST PUTTY and knead for 20 seconds until the **color of mixture is uniform**.
4. **Fill** the tray with the mixed material and insert it into mouth using a spacer within 1 minute from start of mix.
5. Wait for 3 minutes to set and remove the impression from the mouth. Remove the spacer.
6. **Rinse and dry** the impression. Make sure the impression is **clean and dry** prior to taking final impression.
7. Attach an **intraoral tip** to the mixing tip of the cartridge or **backfill** it into a syringe.
8. Syringe the **LIGHT BODY material** onto the prepared tooth and the **preliminary impression**.
9. Seat the **loaded tray** in the mouth.
10. Wait for set. Refer to the working times and setting times of the **LIGHT BODY material** in the respective instructions for use.

Note:

Higher temperatures shorten working time and **lower temperatures increase working time**.

11. Remove impression and rinse under running tap water.

Double mix single impression

Note:

Prior to use, **leave the material** to stand at room temperature. Cooled or refrigerated material may **delay setting**.

1. Make sure the preparation is dry and free of debris during impression taking.
2. **Apply** a tray adhesive (GC Universal VPS Adhesive, etc.) onto the tray and **leave to dry**. Read manufacturer's instructions for use.
3. a) Take **equal** amounts of BASE PUTTY and CATALYST PUTTY and knead for 20 seconds until the **color of mixture is uniform**.
b) Attach an **intraoral tip** to the mixing tip of the cartridge of **LIGHT BODY** or **backfill** it into a syringe.

Note:

Higher temperatures shorten working time and **lower temperatures increase working time**.

4. **Fill** the tray with the mixed PUTTY material, and start to syringe the **LIGHT BODY material** onto the prepared tooth.
Note:
Filling the tray the mixed PUTTY and syringing **LIGHT BODY** should be done at the same time. Because the **LIGHT BODY** in the mouth set faster than in the room temperature and it need **filling time** to **fill** the PUTTY in the tray.
5. Seat the **loaded tray** in the mouth.
6. Wait for 3 minutes to set and remove the impression from the mouth.
7. Remove impression and rinse under running tap water.

DISINFECTION

The impression can be disinfected with a **glutaraldehyde solution** or other appropriate disinfectants. Refer to the respective manufacturer's instructions for use.

MODEL FABRICATION

1. After the impression is rinsed with water, wait for more than 60 minutes before pouring a model.
2. Pour a model within 14 days after impression taking. FLEXCEED is compatible with type III and type IV stone (GC Fuji ROCK™ EP) and can be **silver or copper plated**.

CAUTION

1. Avoid contact of base, catalyst, mixed material or adhesive with eyes. In case of contact, immediately **flush** with generous amount of water and seek medical attention.
2. Avoid getting material on clothing as it is hard to remove.