MAKE THE RIGHT FIRST IMPRESSION

THERMO® CLONE™ VPS
Thermo Clone impression material is designed to capture even the finest features quickly and accurately. The results? Clear impressions with detailed margins — the first time.

And because the temperature-sensitive material sets quickly, you’ll see less distortion in your impressions and more smiles on your patients’ faces.

**HYDROPHILIC**

Hydrophilicity ensures precision in your impressions by displacing moisture so the material can reach every part of every tooth.

Hydrophilicity is evaluated based on contact angle, which measures how flat a drop of water spreads on the material. With a contact angle of 40 degrees, Thermo Clone material is among the industry leaders in hydrophilicity.

**THIXOTROPIC**

Thixotropic materials become more fluid as they are agitated — like when they are applied to a crown preparation — and thicken when they are in place. This means that when Thermo Clone material is placed, the material flows into the sulcus and the spaces between teeth. This ensures a detailed impression and clear margins.

**STRONG AND STABLE**

Impressions made with inferior material often tear at the margin and require retakes. Thermo Clone material has a high tear strength, which means you can remove the set impression with confidence.

Plus, the material’s excellent dimensional stability and elastic recovery ensures the impression arrives at the lab in the same condition it left your patient’s mouth.

**EASY TO DELIVER**

Thermo Clone impression material is available in 50 ml cartridges or 380 ml jumbo cartridges for automatic mixing.

With an automatic mixing machine and the easy-to-use dynamic mixing tip, prepping to fill a tray is easy!
Thermo Clone impression material is temperature-sensitive. This means that as the temperature of the material increases, the setting time decreases. We call this a “thermal set.”

At room temperature, Thermo Clone material stays plastic, with a working time of up to 1:30. Once the tray is placed in the patient’s mouth, the material rapidly begins to set due to the increased temperature. This accelerated setting time means there’s less chance of distortion. See the graph below to view the setting time of Thermo Clone material versus a leading competitor.

1. Thermo Clone material and a competitor are put into trays and held at room temperature for 1:30.
2. After 1:30, both materials are placed into an instrument that simulates a patient’s mouth. Both materials start to set, and the instrument begins to measure the resistance of each material.
   
   Note: The time between when the material starts to set intraorally and when it is completely set is known as the Critical Zone. This is when distortions most often occur, resulting in extra lab work, poorly fitting restorations, and costly retakes.
3. At 2 minutes, thermal set kicks in, accelerating the setting time of Thermo Clone material and shortening the time spent in the Critical Zone.
4. By 3 minutes, Thermo Clone material is out of the Critical Zone and has set and can be removed. The competitor material is still unset and is susceptible to distortions.
5. At 5 minutes the competitor has set.

The results: The thermal set provided by Thermo Clone material gives you a long working time, a short setting time, and minimal time in the critical zone.
**ThermoClone™ VPS**

**Superlight Body**
- 4060 Fast Set
  - 2 x 50 ml cartridges
  - 12 x Mixing tips

**Light Body**
- 4057 Regular Set
- 4065 Fast Set
  - 2 x 50 ml cartridges
  - 12 x Mixing tips

**Medium Body**
- 4058 Regular Set
- 4066 Fast Set
  - 2 x 50 ml cartridges
  - 6 x Mixing tips

**Heavy Body**
- 4059 Regular Set
- 4067 Fast Set
  - 2 x 50 ml cartridges
  - 6 x Mixing tips
- 4069 Regular Set
- 4071 Fast Set
  - 1 x 380 ml cartridge
  - 10 x Dynamic Mixing tips

**ThermoClone™ VPS Accessories**

**Bite Registration**
- 4072 Fast Set
  - 2 x 50 ml cartridges
  - 12 x Mixing tips

**ThermoClone™ VPS Putty**
- 4073
  - 1 x ea. 250 g base and 250 g catalyst
  - 2 x Scoops

**Tray Adhesive 10 ml Bottle**
- 4074

**Mixing Tips – Refill**
- 2902 - Yellow 50pk
- 2904 - Green 50pk

**Dynamic Mixing Tips**
- 4075
  - 50 Mixing tips

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