

Therma-Flo™ Composite Warming Kit

REVOLUTIONIZING COMPOSITE DELIVERY

Vista Dental has revolutionized composite delivery with Therma-Flo™ Composite Warming kit, uniquely engineered to utilize heat for optimal performance of any preferred composite material. Vista's Composite Warming Kit allows you to use highly filled composites in a wide variety of applications and also provides the versatility to enhance virtually all restorations.

Therma-Flo™ allows you to:

- Easily manipulate composite for exceptionally fast and precise placement.
- Reduce incremental layering of composite material in challenging posterior restorations.
- Experience superior composite adaptation to cavity walls, improving quality and efficiency of any restoration.
- Make tedious procedures simpler, saving time on each patient.

Designed to enhance the performance of Therma-Flo™, Vista's new Step Down tips offer extended length for deeper access and greater precision in composite placement. Uniquely designed to adapt to most composite capsules, the Step Down tips represent a major step forward in controlled delivery of composites.

Benefits of *HEAT*:

- Creates fewer voids, with greater depth of cure and shorter curing time
- There is no adverse effect to pulp tissue or to composite material
- Easier to place and manipulate composite material



This system forces paste composite to perform with the same clinical ease of flowable composite, but without flowables mildly inferior strength, hardness, shine retention, and wear resistance.

-Dr. David Clark, DDS
Tacoma, WA



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Science Behind the Heat

The heating technology of Therma-Flo™ significantly increases the flow characteristics of highly filled composites while helping to increase polymerization and improve depth of cure.

Heat lowers the viscosity of composite material, allowing it to better flow and adapt to cavity walls. As a result, voids are reduced, which then reduces the risk of secondary caries. Heating composite material also improves its physical and handling properties without modifying color or stability.



- Base unit warms multiple capsules

Includes: (1) Warming Unit
(2) Composite Syringes
(20) 2X Step Down Tips
(20) 4X Step Down Tips

Step Down Tips

Extended length: deeper access and precise placement

A completely new delivery option enabling doctors to use much less composite with little manipulation required to place the material.

- 2X and 4X orifice reduction for more precise placement of composite material
- Narrow profile for optimal visualization
- Easy extrusion of composite material

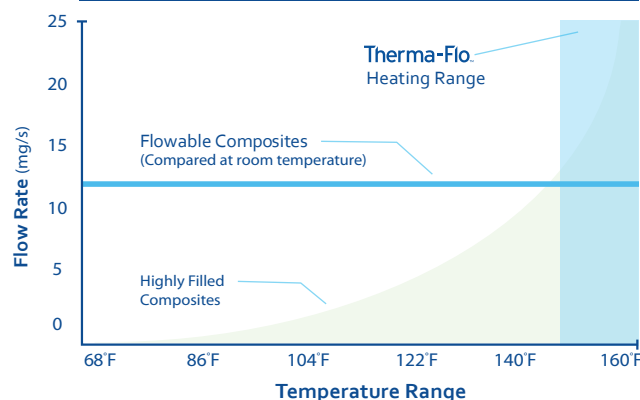


Use your favorite composites!

Therma-Flo™ Applicator™, Warming Kit and Step Down tips are compatible with most manufacturer's capsules



Viscosity -vs- Temperature for Highly Filled Composites



Highly Filled

3M Filtek Supreme Ultra™
3M Filtek Z250™
Dentsply Esthet X HD™
Dentsply TPH3™

Flowables

Dentsply SureFil SDR Flow™
Ivoclar Tetric EvoFlow™
Heraeus Venus™
Dentsply THP3 Flow™

FEATURES	BENEFITS OF USING HEAT	PROOF
Depth of Cure	Fill restorations faster by increasing the depth of cure and reducing curing time.	⁴ Burtscher 2005, ² Munoz 2008
Flowability	When heated, highly filled composites flow up to 10X better.	³ Lucey 2010
Increased Polymerization	Significantly higher monomer conversion values. Dramatic increase in polymerization rates.	⁵ Trujillo 2003, ⁶ Daronch 2005
Decreased Voids	Heating significantly reduces the chance of secondary caries.	⁹ Choudhary 2011, ¹⁰ Wagner 2008, ⁸ Froes-Salgado 2010
Color + Stability	Heating will NOT modify color or stability properties of composite material.	¹ Mundim 2011
Micro-Hardness	Heating results in shorter curing times and enhances subsequent surface hardness.	² Munoz 2008, ³ Lucey 2010
Viscosity -vs- Temperature	Heating makes it easier to place material and results in better adaptation to cavity walls.	³ Lucey 2010
Heating Safety	Heating will NOT damage pulp tissue or cause discomfort. No other safety concerns.	⁷ Daronch 2007 ¹¹ Rueggeberg 2010

Depth of Cure

