

Temporization Solutions

Protemp™ Crown

Temporization Material



Introducing a **new era**
in **temporization.**

3M ESPE

Way ahead of its time: the world's first preformed and malleable temporary crown.

You + 3M ESPE =
Groundbreaking ideas for dentistry

It's more than just a masterpiece of dental art. It's the beginning of a new era – stunning, captivating and exciting. 3M™ ESPE™ introduces the world's first single-unit, self-supporting, malleable and light-curable composite crown: Protemp™ Crown Temporization Material. This revolutionary technique helps you save time and substantially boost your productivity.

No impression or matrix needed.

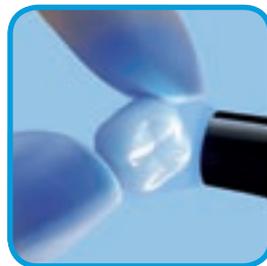
Protemp Crown Temporization Material comes in one universal shade and a variety of preformed sizes. To fabricate, simply select the appropriate size and adapt the crown to its oral environment. After tack curing, take the crown off the prep and put it back in place a couple of times to ensure fit before final cure. Then polish and cement using standard temporary cements, such as RelyX™ Temp NE Temporary Cement from 3M ESPE.*



! Choose appropriate crown size. For a snug fit, choose rather the smaller crown.



! Trim and adapt. Trim the crown short rather than leaving it too long.



! Final cure. Fully cure the crown outside the mouth for 60 seconds.

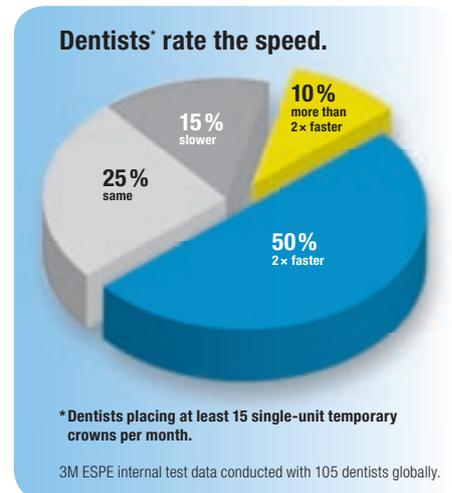


! Finish and polish. Polish crown and roughen inside prior to cementation.

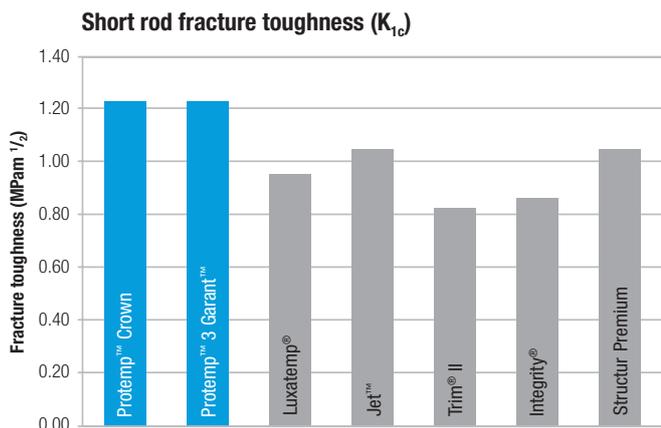
* See "tips & tricks" for complete step-by-step information.

Fast – Reduce fabrication time up to 50%.

With Protemp Crown Temporization Material you can fabricate a single-unit temporary crown in 4 minutes or less. That's up to twice as fast as automix (i. e. Protemp™ 4 Temporization Material, Luxatemp®, Integrity®, Structur) and powder-liquid (i. e. SNAP™, Jet™ and Trim®) systems.



Strong – Remarkable strength.



When compared to other temporization materials, Protemp Crown Temporization Material has impressive overall mechanical strength. Tests show that it has high compressive, tensile and flexural strength as well as high toughness values.

Short-rod toughness contributes to the durability of a provisional restoration. It measures the energy needed to propagate a crack through the material.
Source: DeLong; University of Minnesota, MDRCB.

Aesthetic – Provides a tooth-coloured restoration.



Photo courtesy of Donald M. Erickson, DDS.

With its tooth-coloured shade and preformed anatomical shape, Protemp™ Crown Temporization Material provides a temporary restoration with natural-looking aesthetics. The crowns can be customized and/or repaired using a conventional flowable such as Filtek™ Supreme XT Flowable Restorative, or composite materials, and can be polished to a shiny tooth-like appearance.

Compare what you can get in 4 minutes or less.

	Protemp™ Crown	Bis-acrylic materials	Powder-liquid systems
Single unit under 4 minutes	●	Timing highly variable; dependent on matrix/impression & temporization material used (mostly > 8 min.)	
No matrix/impression needed	●		
Custom fit	●	●	●
Preformed anatomy	●		
Low oxygen inhibition layer	●		●
Aesthetic results	●	●	●
Low intra-oral heat	●	●	
Cure on demand	●		

Additional features:

- 9 preformed sizes
- Custom fit
- Light curable
- Low intra-oral heat during fitting process
- Low oxygen-inhibited layer
- Odourless
- Easy to add-on with flowable composite



What dentists are saying.

“Making temporaries is now very convenient with no preliminary impression. [This revolutionary new process is simple, quick and easy, producing a temporary that fits well, is kind to the tissue, does not come off in my experience, and keeps the occlusion in place. A definite winner for 3M ESPE!](#)”
Joseph A. Blaes, DDS

“[This is a paradigm shift in temporization.](#) Adjectives alone cannot convey the practical application of a product like this. [It's a total success for high-quality temporary restorations.](#)” Robert G. Ritter, DMD

Top reasons dentists say Protemp Crown Temporization Material is easy:

- No impression or matrix needed
- No mess or clean up
- Easy to obtain occlusal fit
- Easy to obtain interproximal contacts

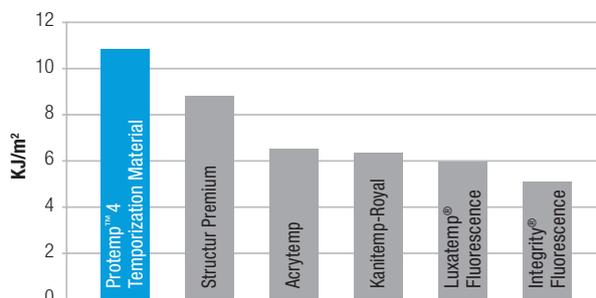


Protemp™ 4 Temporization Material – Ultimate toughness. Outstanding beauty.

With its outstanding features, Protemp 4 material is the perfect choice for the fabrication of highly durable and aesthetic multiple-unit temporary restorations:

- Unmatched fracture resistance
- Splendid aesthetics and improved patient comfort
- Faster procedure and gloss without polishing or glazing

Material toughness/fracture work (resistance of material to fracture)



In a test measuring material toughness, Protemp™ 4 Temporization Material showed greater resistance to fracture than other tested temporization materials.

Source: V. Babcic, R. Perry and G. Kugel, Tufts University, Boston, MA, U.S.A., AADR 2008, #0371.



Protemp™ Crown Temporization Material Promotional Kit (50600SAM)



Protemp™ Crown Temporization Material Trial Kit (50600TK)



Protemp™ 4 Temporization Material Intro Kit – A2 (46953)

Item No. Product Information

Protemp™ Crown Temporization Material

50600SAM Promotional Kit: 1 × 50600 Intro Kit (kit contents see item no. 50600), **1 × 50613 Refill** (kit contents see item no. 50613)

50600TK Trial Kit 16 temporary crowns; crown size tools (1 bag of 10); technique guide, instructions
Temporary crown sizes: 3 × molar upper large, 3 × molar upper small, 2 × molar lower large, 2 × molar lower small; 2 × bicuspid (premolar) upper large, 2 × bicuspid (premolar) upper small, 2 × bicuspid (premolar) lower

50600 Intro Kit 42 temporary crowns; crown size tools (2 bags of 10); technique guide, instructions, crown drawer, crown drawer labels
Temporary crown sizes: 6 × molar upper large, 6 × molar upper small, 6 × molar lower large, 6 × molar lower small; 4 × bicuspid (premolar) upper large, 4 × bicuspid (premolar) upper small, 4 × bicuspid (premolar) lower; 3 × cuspid (canine) large, 3 × cuspid (canine) small

Refills

50610 Molar upper large 5 temporary crowns; instructions; crown size tool

50611 Molar upper small 5 temporary crowns; instructions; crown size tool

50612 Molar lower large 5 temporary crowns; instructions; crown size tool

50613 Molar upper large 5 temporary crowns; instructions; crown size tool

50614 Bicuspid (premolar) upper large 5 temporary crowns; instructions; crown size tool

50615 Bicuspid (premolar) upper small 5 temporary crowns; instructions; crown size tool

50616 Bicuspid (premolar) lower 5 temporary crowns; instructions; crown size tool

50617 Cuspid (canine) large 5 temporary crowns; instructions; crown size tool

50618 Cuspid (canine) small 5 temporary crowns; instructions; crown size tool

Protemp™ 4 Temporization Material

46953 Protemp™ 4 Temporization Material Intro Kit A2 1 cartridge – 50 ml, A2; 16 Garant™ Mixing Tips, blue; 1 Garant™ Dispenser 10:1; technique card, instructions

3M ESPE

3M ESPE AG
ESPE Platz
82229 Seefeld · Germany
E-Mail: info3mespe@mmm.com
Internet: www.3mespe.com

You + 3M ESPE =

Groundbreaking ideas for dentistry

3M, ESPE, Filtek, Garant, Protemp and RelyX are trademarks of 3M or 3M ESPE AG.

Acrytemp, Integrity, Kanitemp, Jet, Luxatemp, SNAP, Structur and Trim are not trademarks of 3M or 3M ESPE AG.

© 3M 2008. All rights reserved.
03 (9.2008)