

Temporisation Solutions

Protemp™ 4

Temporisation Material



NEW
Shade A3.5
Enhanced Bleach

Whether shaken or stirred,
it stays tough

3M ESPE

Ultimate toughness

Protemp™ 4 – The innovative advancement of a successful product.

With Protemp™ 4 Temporisation Material, 3M™ ESPE™ has set another milestone in temporary crown and bridge materials. 3M ESPE has applied its expertise in nanotechnology to create the first bis-acrylic composite with a new generation of sophisticated fillers for the fabrication of multiple-unit temporaries. The result is unparalleled achievements in strength, handling and aesthetics.

Outstanding beauty

The Protemp™ Temporisation Family – The top-of-the-class solution in temporaries.

With Protemp™ 4 Temporisation Material and Protemp™ Crown Temporisation Material – the world's first, malleable and light-curable composite crown for single-unit temporaries – 3M ESPE now offers a complete line of temporisation materials. With Protemp™ 4 you will experience the well-established high quality and easy handling of its predecessor Protemp™ 3 Garant™ – a more convenient and faster procedure to fabricate temporary restorations, with improved material properties.

Available in **6 different shades**, Protemp 4 temporisation material is the perfect choice for the fabrication of highly durable and aesthetic single- and multi-unit temporary restorations.



Indications:

- Crowns
- Bridges
- Inlays and onlays
- Veneers
- Long-term temporaries
- Implants

Product benefits:

- **Reliably tough temporaries** due to **highest fracture resistance** and **better abrasion stability** – also suitable for long-term temporisation.
- **Patient-pleasing aesthetics and a comfortable fit** through a **smooth surface, natural shine and fluorescence, high colour stability**. Easy plaque removal to **support gingival health**.
- **Easier and faster handling and fabrication** due to the **reduced smear layer** and **gloss without polishing or glazing**.



In a one year clinical performance test the product demonstrated an excellent overall performance including high strength and outstanding aesthetics. It received a 5+ rating by THE DENTAL ADVISOR.

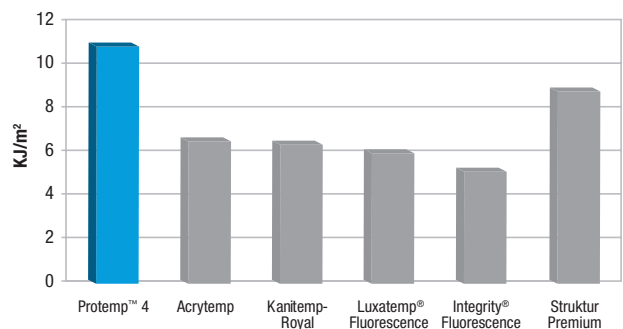
Reliably strong temporaries

Strength through record-breaking toughness.

Patients constantly put their temporaries to the test. In vitro tests prove Protemp™ 4 Temporisation Material to be tougher than all other leading automix bis-acrylic temporisation materials. Using Protemp 4 material can help reduce the number of fractured temporaries and patient recalls.

- Unmatched **fracture resistance** and therefore less likely to break than other automix bis-acrylic temporisation materials
- Outstanding **mechanical and compressive strength**
- State-of-the-art **marginal integrity and precision fit**
- Suitable for **long-term temporaries**

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



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

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

Splendid aesthetics and improved patient comfort.

Your patients will enjoy the natural-looking polish, the smooth feel and the high overall wearing comfort of a temporary made with Protemp 4 temporisation material. Thanks to fluorescent pigments, Protemp 4 temporaries look naturally beautiful in various lighting conditions – even in challenging UV light.

Aside from a superior surface quality providing higher colour stability, even over the long term, the smooth surface supports gingival health during wear time since plaque can be easily cleaned away.

Patient comfort

Fluorescence of a human tooth



Protemp™ 4 Temporisation Material



Comparing the fluorescence of temporisation materials under ultraviolet light shows Protemp™ 4 Temporisation Material looks almost the same as natural teeth.

Source: 3M ESPE internal data

	Before	After
Protemp™ 4 Temporisation Material		
Luxatemp® Fluorescence		
Integrity® Fluorescence		
Struktur Premium		

Coffee test: After three days immersed in coffee at 36° C, Protemp™ 4 Temporisation Material shows virtually no colour change.

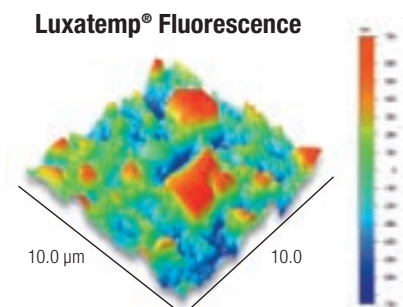
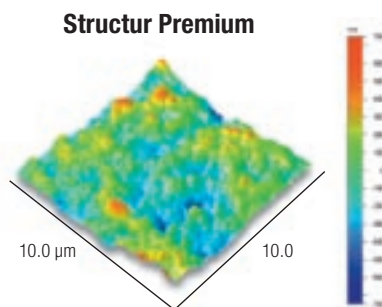
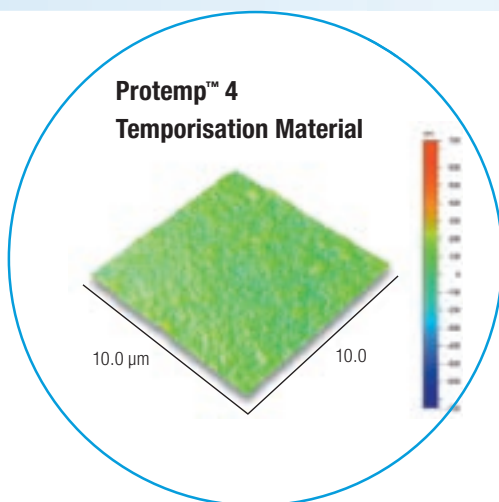
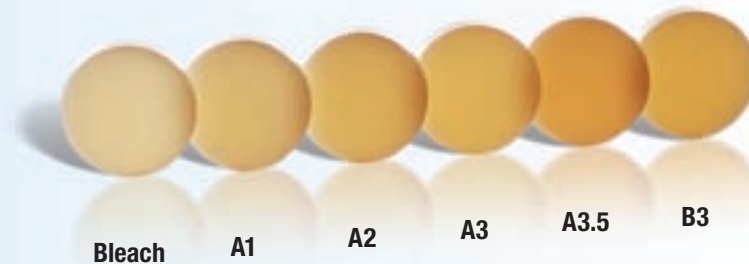
Source: 3M ESPE internal data

Brilliant results

A faster procedure and brilliant results without polishing or glazing.

With easy-to-use Protemp™ 4 Temporisation Material you will experience a more convenient and even more time-saving procedure. Compared to competitive temporary materials, Protemp 4 material provides a much thinner smear layer that can easily be removed and therefore reduces your working time significantly.

Plus, 3M ESPE's unique nanotechnology ensures a smooth, glossy surface right from the beginning. To finish the temporary fabricated with Protemp 4 material, it simply needs to be cleaned with ethanol to achieve a brilliant and natural gloss in next to no time – without additional polishing or glazing.



Surface topology of Protemp™ 4 Temporisation Material and other temporisation materials after removing the inhibition layer with alcohol and no further polishing.

Source: 3M ESPE internal data – Atomic Force Microscopy (AFM) images by 3M Corporate Research Analytical Laboratory – (CRAL)

“The four single temporary crowns which I inserted until now, were so easily done. Even individualization with thin margin survived excellently to the wearing time of 7–14 days. Also at removal, this thin margin did not crack as it usually happens with other materials.” Dr. Riedl

“The material can be repaired very easily, especially because one can simply use readily available flowable (Filtek™ Flowable Restorative). No stock keeping of a special repair material is necessary anymore. The margin between Protemp™ 4 and the added material are hardly visible.” Dr. Vetter

“Is easier to trim and finish, less smear layer than with Protemp™ 3 Garant™; is better removable from the tooth than Protemp™ 3 Garant™, surfaces can be worked out and polished well.” Dr. Kustermann

“We are testing right now your Protemp™ 4 and are totally enthusiastic. Use Snap so far. That is for sure no comparison at all.” Dr. Menrath



**Aesthetics matter,
even if temporary**

Protemp™ Crown Temporisation Material

For single-unit temporaries experience also Protemp™ Crown Temporisation Material from 3M ESPE – the world’s first preformed, malleable, self-supporting and light-curable composite crown. Protemp Crown temporisation material is trimmed and adapted using common dental instruments. This revolutionary, time-saving technique results in higher productivity for you.

- **Simple** – No matrix or impression, no hardware or mixing tips needed
- **Fast** – Up to 50 % savings in time compared to conventional temporaries
- **Strong** – Remarkable strength
- **Aesthetic** – Produces a restoration of a natural tooth shade



Ordering Information





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



Protemp™ 4 Temporisation Material Refill – A2 (46956)



Protemp™ Crown Temporisation Material Intro Kit (50600)

Item No.	Product Information	
Protemp™ 4 Temporisation Material		
46953	Protemp™ 4 Temporisation Material Intro Kit – A2 1 cartridge – 50 ml, A2; 16 Garant™ mixing tips blue; 1 Garant™ Dispenser 10:1, technique card, instructions	
Refills		
46959	Protemp™ 4 Temporisation Material Refill – Bleach 1 cartridge – 50 ml, Bleach; 16 Garant™ mixing tips blue; instructions	
46954	Protemp™ 4 Temporisation Material Refill – A1 1 cartridge – 50 ml, A1; 16 Garant™ mixing tips blue; instructions	
46956	Protemp™ 4 Temporisation Material Refill – A2 1 cartridge – 50 ml, A2; 16 Garant™ mixing tips blue; instructions	
46957	Protemp™ 4 Temporisation Material Refill – A3 1 cartridge – 50 ml, A3; 16 Garant™ mixing tips blue; instructions	
46972	Protemp™ 4 Temporisation Material Refill – A3.5 1 cartridge – 50 ml, A3.5; 16 Garant™ mixing tips blue; instructions	
46960	Protemp™ 4 Temporisation Material Refill – B3 1 cartridge – 50 ml, B3; 16 Garant™ mixing tips blue; instructions	
Protemp™ Crown Temporisation Material		
50600	Protemp™ Crown Temporisation Material Intro Kit 42 Temporary Crowns; Crown Size Tools (2 bags of 10); 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	

Protemp™ 4 shades match Filtek™ Supreme XTE Flowable Restoratives from 3M ESPE.

For high-precision preliminary impressions we recommend Position™ Penta™ (Quick) VPS Alginate Replacement and the single-use Position™ Tray from 3M ESPE.

3M ESPE

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