

ENGLISH						
General Information						
<p>3M ESPE Protemp™ Crown Temporization Material is designed for use as a temporary restoration. It is a self-supporting, malleable, visible light activated composite crown that allows for a custom fit.</p> <p>Indications</p> <p>Protemp Crown temporization material is indicated for use as a temporary pre-formed crown to cover a single permanent tooth abutment.</p> <p>Protemp Crown temporization material can be used to model pre-existing tooth structure and anatomy for use in digital imaging applications.</p> <p>Note:</p> <p><i>- The clinician's decision to restore a tooth using Protemp Crown temporization material should be based upon optimal clinical needs of the patient. A professional assessment of oral health, chewing habits, and patient concerns should be factored into the decision.</i></p>						
Size Selection Chart						
Crown Name	Approximate Range Mesial-Distal Width					
BICUSPID (Premolar) Upper	6 - 7 mm					
Bicuspid (Premolar) Upper S	7 - 8 mm					
MOLAR (1st & 2nd) Upper						
Molar Upper S	9 - 11 mm					
Molar Upper L	11 - 12 mm					
CUSPID (Canine) Universal						
Cuspid (Canine) Universal S	6 - 8 mm					
Cuspid (Canine) Universal L	8 - 9 mm					
BICUSPID (Premolar) Lower						
Bicuspid (Premolar) Lower S	6 - 9 mm					
MOLARS (1st & 2nd) Lower						
Molar Lower S	9 - 11 mm					
Molar Lower L	11 - 12 mm					

Abutment Preparation

Prepare abutment using conventional techniques. (Note: adequate abutment structure is necessary to retain crown). In case of small abutment dimensions (e.g. narrow cast post and core), relining is recommended to obtain optimal fit and retention.

Custom Characterization and Repair

Use a flowable, for example 3M ESPE Filtek™ Supreme Plus Flowable, or Protemp™ Plus for custom characterization. Custom characterization using either of these materials does not require the use of a bonding agent. If you intend to use other products, refer to the pertinent manufacturer's instructions for use.

3M ESPE Filtek Supreme Plus Flowable Restorative/Protemp Plus Temporization Material to Protemp Crown

The composite material should be applied to the final and clean surface of the Protemp Crown. It is uncured state, Protemp Crown temporization material is soft and moldable. In this malleable stage, the crown can be reshaped to model pre-existing tooth structure and anatomy. Once the desired shape is achieved, the crown is fully cured for 60 seconds. This crown can then be placed and scanned to produce a digital image.

Precautionary Information for Patients:

This product contains substances that may cause an allergic reaction by skin contact in certain individuals. Avoid use of this product in patients with known acrylate allergies. If allergic reaction occurs, rinsing with soap and water is recommended, however, acrylates may penetrate commonly used soaps. After product placement, remove and discard gloves, wash hands immediately with soap and water and then re-glove. If allergic reaction occurs, seek medical attention as needed.

3M ESPE MSDSs can be obtained from www.3MESPE.com/MSDS or contact local subsidiary.

Instructions For Use

1) Size Selection

Determine proper size crown. After tooth is prepared, determine the correct Protemp Crown size.

Measure the mesial-distal width of the prepared tooth using the 3M ESPE Crown Size Tool or a caliper.

3M ESPE Crown Size Tool

The *Crown Size Tool* contains graduated widths from 7-12 millimeters. Insert the tool until contact is made with the adjacent teeth and in line with contact points and resting on the occlusal surface of the crown preparation. Slide tool between adjacent teeth (the tool will wedge). The wedging point, relative to the tool establishes the approximate mesial distal width of the Protemp Crown. The 3M ESPE Crown Size Tool is designed for single use.

Select crown.

- Select the Protemp Crown that coincides with the approximate mesial distal width range provided on the Size Selection Chart.
- When in doubt about the size, use the smaller sized crown.
- Remove the Protemp Crown from the sealed crown case.
- Hold firm between thumb and finger and carefully remove film from Protemp Crown.

Note:

- Measure carefully, once removed from sealed package, the crown cannot be placed back into the package for re-use at a later date.
- Protemp Crowns are light sensitive and precaution should be taken to minimize ambient and operatory light exposure.

2) Protemp Crown Preparation

- Gently roll crown in gloved fingers to pre-warm and straighten axial walls.

Note:

If the Protemp Crowns are stored in a cool environment, gently rolling the axial wall of the crown will make it more malleable and less prone to fracture during placement.

- Gently rolling eliminates the flare at the margin and reduces the circumference of the crown at the margin.

As the crown is placed onto the tooth preparation it will expand and hug the preparation.

Trim Protemp Crown.

- Determine the amount of excess to be removed from the Protemp Crown by measuring the approximate height of the adjacent teeth. This can be done by using the 3M ESPE Crown Size Tool, perio probe, or by placing the Protemp Crown on the preparation.

- Follow the gingival contour when trimming excess material to establish proper crown length using crown scissors.

Makes sure to trim enough material. If too little material is trimmed before checking the fit, the crown may not fully seat and the crown can be damaged which can lead to fracturing when the crown is cemented.

3) Adaptation

Adapt Protemp Crown.

- Seat trimmed Protemp Crown to verify length.

- Adapt, shape and establish interproximal contacts and preparation margins for a snug fit onto the most preparation.

- Have patient gently close to establish occlusion, open to adapt occlusal surface.

Adapt facial margin.

- While patient is in occlusion adapt the facially accessible margin.

Note:

- After the crown is adapted to the prepared tooth a tack-cure is required to reduce the possibility of distortion upon removal. Do Not Over Tack Cure.

- Tack cure the facial surface using a dental curing light for 2-3 seconds.

Adapt lingual margin.

- Have patient open, holding crown in place.

- Adapt lingual margin. While adapting the lingual margin apply finger pressure to the adapted facial surface to prevent dislodging.

- Tack cure the lingual surface for 2-3 seconds.

- Tack cure the occlusal surface for 2-3 seconds.

After tack curing, remove the crown and reseat several times to check fit before final cure.

Note:

A dental curing light with a wavelength range 420-500 nm and a minimum light intensity of 400 mW/cm² is recommended.

- Avoid looking directly at the light source and do not stare at the light reflection from the crown surfaces while curing.

- The use of an eye shield or protective glasses that effectively block light below 500 nm wavelength is recommended.

4) Final Light Cure

- Carefully remove the Protemp Crown.
- Light cure adapted Protemp Crown outside of the mouth for a total of 60 seconds.

- Fully light cure by exposing all surfaces of the Protemp Crown to the light.

4) Final Light Cure

- Trial fit and polish Protemp Crown and make necessary adjustments.
- Check occlusion.
- Use a standard method to finish and polish.

Сертификаты безопасности материалов 3M ESPE могут быть получены по адресу www.3MESPE.com/MSDS или в местных представительствах.

Инструкция по применению

1) Выбор размера

Выберите корону подходящего размера. После обработки зуба определите подходящий размер короны Protemp.

Измерьте медиально-дистальную ширину обработанного зуба с использованием устройства для измерения размера короны ESPE или же штангенциркуля.

Устройство для измерения размера короны ESPE

Устройство для измерения размера короны содержит градуированные отметки ширины от 7 до 12 мм. Вставьте устройство до соприкосновения со соседними зубами так, чтобы оно находилось на одной линии с точками соприкосновения и располагалось на окклюзионной поверхности подготовленной короны. Начните продавлять устройство между соседними зубами (устройство начнет вклиниваться).

Отношение точки вклинивания по отношению к устройству служит для определения размера короны. Если вы не уверены в результате, повторите процедуру. Устройство для измерения размера короны 3M ESPE предназначено для однокоронного протезирования.

Выберите корону.

Выберите корону Protemp, которая соответствует примерному диапазону медиально-дистальной ширины, как указано в таблице выбора размера.

В случае возникновения каких-либо сомнений по поводу размера короны следует выбрать корону меньшего размера.

- Извлеките корону Protemp из запечатанной упаковки.
- Удерживая пеньку большим и указательными пальцами, тщательно снимите ее с короны Protemp.

Place crown.

Follow cement manufacturer's instructions for proper set time.

- Carefully check the sulcus of the treated teeth and the surrounding areas: remove any cement residue that remains in the sulcus and along the Protemp Crown margin.

Clean the interproximal areas by drawing a piece of knotted floss back and forth under the contact points.

Note: It is important to follow the instructions for use very closely. In addition, for optimal performance:

- When in doubt, select the smaller crown size
- Make sure to trim enough material.

- If too little material is trimmed before checking the occlusion, the occlusal surface of the crown may be damaged which can lead to fracturing upon cementation.

- After tack curing, remove the crown and reseat several times to check the fit before final cure.

Protemp Crown for Digital Imaging

In its uncured state, Protemp Crown temporization material is soft and moldable. In this malleable stage, the crown can be reshaped to model pre-existing tooth structure and anatomy. Once the desired shape is achieved, the crown is fully cured for 60 seconds. This crown can then be placed and scanned to produce a digital image.

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60 секунд. Затем корону можно установить на место и сканировать для получения цифрового изображения.

Индивидуальное изменение характеристик и восстановление

Для индивидуального изменения характеристик используйте жидкий материал: напр. 3M ESPE Filtek™ Supreme XT Flowable или Protemp™ . Индивидуальное изменение характеристик с помощью любого из данных материалов не требует использования вакуумного устройства. При использовании других продуктов следуйте инструкциям производителя по применению.

3M ESPE Filtek Supreme XT Flowable Restorative/Protemp 4 Материал для временного протезирования Protemp Crown

Композитный материал следует наносить на чистую поверхность короны Protemp после завершения обработки.

- Придайте шероховатость вакуумной ложечкой, используя заточенный инструмент.

• Коронка Protemp должна быть свободна от каких-либо загрязнений - напр. слюны или полировальной пасты. Для очистки поверхности следует использовать спирт.

• Полностью просушите ее в смеси потока воздуха.

- Нанесите композитные материалы на корону Protemp, постепенно увеличивая их количество.
- Следуйте рекомендациям, касающимся времени полимеризации композитных материалов.

• Финишная обработка и полирование проводится согласно соответствующим инструкциям.

По окончании всех манипуляций коронка должна максимально соответствовать первоначальному зубу по месту, заданному в зубной дуге, соотношению со смежными зубами и функционально-функциональной окклюзии с зубами-антагонистами.

Хранение и использование

Этот продукт предназначен для использования и хранения при комнатной температуре. Срок хранения при комнатной температуре составляет 24 месяца. Если обобщить значение окружающей температуры будут выше 27°С/80° F или ниже 10°С/50° F, это может сократить срок хранения. Не храните материал вблизи продуктов, содержащих эвгенол, см. дату истечения срока хранения на внешней упаковке.

Информация для покупателя

Здесь представлены информация, которая отличается от информации, содержащейся в данной инструкции.

Гарантийные обязательства

Компания 3M ESPE гарантирует отсутствие в своей продукции дефектов, связанных с исходными материалами и производственным процессом. КОМПАНИЯ 3M ESPE НЕ ДАЕТ НИКАКИХ ДРУГИХ ГАРАНТИЙ, ВКЛЮЧАЯ ЛЮБЫЕ ПОДРАЗУМЕВАЕМЫЕ ОБЯЗАТЕЛЬСТВА В ОТНОШЕНИИ ТОВАРНОГО СОСТОЯНИЯ КОСМЕТ. ПРИ ПОЛУЧЕНИИ ЛИБО ИХ ПРИМЕНЕНИИ ЦЕЛИ ПОКУПАТЕЛЯ.

Пользователь несет полную ответственность за применение данного продукта для своих конкретных целей. Если до вступления гарантийного срока в продажу будут обнаружены дефекты, Выше исключительная право в единственная обязанность компании 3M ESPE заключается в замене или замене неисправной продукции маркой 3M ESPE.

Ограничение ответственности

За исключением ситуаций, прямо предусмотренных законодательством, компания 3M ESPE не несет никакой ответственности за любые убытки и ущерб, вытекающие из использования данной продукции, будь то прямые, косвенные, умноженные, случайные или опосредованные, независимо от выданных объяснений, в том числе гарантии, контракты, небрежности или обманливой ответственности.

Адаптиране на коронката Protemp.

- Поставте изрязаната коронка Protemp за да проверите дължината.
- Адаптирайте, оформете и установете интерпроксималните контакти и ръбовете на препаратата за плътно напасване на алната препаратия.

- Накрайте пациента внимателно да затвори установената оклузия, отворете за да адаптирате оклузачната повърхност.

Адаптирайте фасциален ръб.

- Докато пациентът е в оклузия, адаптирайте фасциално достижимите ръбове.

Адаптиране лингвалните граници.

- Докаато пациентът е с отворена уста, като поставате коронката на място.
- Адаптирайте лингвалните граници. Докаато адаптирате лингвалните граници, приложете натиск с пръст на адаптиранатафасциална повърхност за да предрегуирате разместване.

- Фотополимеризирайте лингвалната повърхност за 2-3 секунди.
- Фотополимеризирайте оклузачната повърхност за 2-3 секунди.

След фотополимеризация, отстранете коронката и наместете отново няколко пъти, за да проверите напасването преди окончателна полимеризация.

Забелка:

Препоръчва се зълобарската фотополимеризацна лампа с дължина на вълните в диапазон 420-500 нм и минимална интензивност от 400 mW/cm².

- Не гледайте директно в турбоотвора и не задръжвайте погледа си възру светлоотрамяването от повърхността на коронката по време на полимеризацията.

Препоръчва се използване на защитен екран или очила, които блокират електрично светлината под 500 нм на светлината вълна

Основенато фотополимеризация

- Внимателно отстранете коронката Protemp.
- Фотополимеризирайте адаптираната коронка Protemp извън устата общо за 60 секунди.

Налъно фотополимеризирайте като изложите всички повърхности на коронката Protemp на светлината.

Снимане и полиране

- Поставте пробно полимеризирната коронка Protemp и направете нужните промени.
- Проверте оклузията.

- Използвайте стандартните методи за финиране и полиране.
- Финирайте посредством фини харбидно борма или 3M ESPE Sof-Lex™ диск за контуриране и полиране.

- Полирайте със сух шлицованос с муселинова обличка или полираща четка.</

