

# perfect temp<sup>®</sup>10

## CARTRIDGE CONTENTS

1 Cartridge 50 ml  
15 Mixing tips

## SYRINGE CONTENTS

1 Syringe 10 ml  
8 Mixing tips

### *Intra-oral Set*

1:30 min.\*  
\*Approximate

### *Final Set*

4:30 min.

## Temporary Crown & Bridge Material

- Multifunctional  
Acrylic Composite
- Automix / Autocure



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## PERFEctemp 10

**PERFEctemp 10** is a highly esthetic, multifunctional acrylic composite used for fabricating temporary crown and bridge restorations. The two component system based on a multifunctional acrylic composite is produced using no Bisphenol-A or Bisphenol-A precursors in the manufacturing process. **PERFEctemp 10** is available in 50ml dual-barrel cartridges and 10ml dual-barrel syringes. The 10:1 automix system provides thorough mixing with minimal waste. **PERFEctemp 10** has similar properties to a filling material and is available in the following shades: A1, A2, A3.5, B1\*\*, BL-2\*\*. **PERFEctemp 10** will autocure with an initial set of approximately 1:30 – 2:30 minutes intra-orally, providing full polymerization without the use of a light source in 4:30 minutes. High flexural strength combined with high impact strength make **PERFEctemp 10** ideal for fabricating single or multi-unit provisionals including long span bridges. When extruded into a pre-impresion or plastic template, the material can be placed directly onto the prepared teeth to form the provisional.

## WORKING AND SETTING TIMES\*

00:00–00:40 min.:sec.	Pouring <b>PERFEctemp10</b> into the impression and placement in the mouth
	Curing in the mouth
01:30–02:30 min.:sec.	Removal from the mouth
	Full curing
From 04:30 min.:sec.	Preparation of the temporary restoration



Note: Working times apply for products, which have been stored and processed at a temperature of 25°C/77°F and a relative humidity of 50%. Higher temperatures shorten the working time and lower temperatures extend the working time.

## PRODUCT SPECIFICATIONS

### Type of Material

**PERFEctemp 10** is a Temporary Crown & Bridge Class of Material. This autocure material is based on multifunctional acrylic composite. Ratio base to catalyst is 10:1.

### Working Properties

Working time	0:40 (seconds)*
Initial set, average	1:30 - 2:30 (minutes)*
Total Curing time	4:30 (minutes)*

**Material Safety Data** See MSDS Information.

**Storage** 18–25°C/64–77°F

**Shelf-life** Refer to expiration date (📅) on product.

\*times listed are on average and can vary  $\pm 10$  seconds

\*\*shade only available in the 50mL cartridge

## DIRECTIONS FOR USE

### 1. Pre-impresion / Clear Plastic Matrix

Prior to the extraction or preparation of the tooth, take an impression using polyvinyl siloxane (such as Clear Bite Registration, DenMat). After the impression sets, trim the interdental gingivae to provide bulk for later finishing of the provisional. If the initial shape and contours of the teeth are not ideal, it is advisable to correct them with flowable or composite (such as Virtuoso® Flowable or Nuance® FLOW, DenMat). In the case of a missing tooth, you may replace it by securing a denture tooth or forming a composite tooth intra-orally or on a stone model. If using a plastic template, pour a stone model into the impression using a Class IV, high compression stone. Use a vacuum forming machine and clear, rigid tray material such as .020 acrylic to fabricate a plastic template.

### 2. Mixing

Be sure to bleed the cartridge or syringe before applying the mixing tip to ensure an even mix. Cartridge: The **PERFECTemp 10** cartridges should be used with an automix dispensing gun specifically designed for crown and bridge material. To ensure that the appropriate dispensing gun and plunger insert is being used, check the side of the gun and verify that it is labeled DS 50 4:1/10:1. Also, verify the plunger insert is labeled PLS 050-10 10:1. Syringe: Place mixing tip onto syringe and extrude. Once extruded through the mixing tip, the material is thoroughly mixed and ready to be placed directly into the pre-impresion or plastic template.

- a. Select the appropriate **PERFECTemp 10** shade.
- b. Dry the prepared teeth, then place a light application of Vaseline® or

a water soluble separating medium over prepared teeth and any composite material which will come into contact with the **PERFECTemp 10** material.

- c. Remove and discard the cap from the **PERFECTemp 10** cartridge/syringe.
- d. Ensure that both cartridge/syringe openings are clear, and bleed a small amount of **PERFECTemp 10** before placing the mixing tip on the cartridge/syringe.
- e. Align the mixing tip with the corresponding projections on the cartridge/syringe and turn clockwise, securing the tip into place.
- f. Squeeze the trigger on the dispensing gun or directly extrude material through dual-barrel syringe into the impression or the clear plastic template. Note: To prevent voids, stir a small instrument inside the mixture and always try to keep the tip in the expressed material as you extrude it moving from tooth to tooth.
- g. Place loaded tray or template within the allotted 40 second\* working time.
- h. Once the template and provisional material has been inserted into the mouth, hold firmly over the prepared teeth. Remove any excess material with a plastic instrument along the gingival margin. Note: Some material can be left for checking material set condition.
- i. Store the **PERFECTemp 10** cartridge/syringe containing the remaining unused material with the used mixing tip intact to avoid any cross contamination of the catalyst and base materials. Do not replace the mixing tip until the next use.

\*this is an average and can vary  $\pm 10$  seconds

### 3. Removal from the mouth

The material attains an elastic consistency in the mouth 1 min. 30 sec. after the beginning of mixing and should be removed from the mouth together with the impression or vacuum-formed splint by 2 min. 30 sec. after the beginning of mixing.

Check the condition of the material in the mouth using the excess material, e.g. with a probe, to avoid it curing too much before removal.

### 4. Finishing

Once the provisional has been removed from the mouth, it will become gradually less pliable for an additional 2:00 minutes.\* Allow full polymerization of the material before polishing or contouring.

- a. Bulk trimming, thinning and contouring of the margins and embrasures may be accomplished by using a slow-speed acrylic bur and disk.
- b. A high-speed finishing diamond bur may be used to adjust the occlusion and further correct embrasures while the provisional is in the mouth. Note: Wear protective eyewear, to shield eyes from the composite dust caused during polishing.
- c. An inhibition layer may remain on the surface of the *PERFECtemp 10* provisional. This can be removed by wiping with isopropyl alcohol or buffing with a soft fabric wheel.

### 5. Cleaning/Disinfection

If required, temporaries can be disinfected using standard aqueous disinfectant solutions.

## 6. Cementation of the Provisional

Prior to cementing, remove any separating medium on prepared teeth and the provisional. Standard temporary luting materials can be used for cementation.

Residue of temporary cements that contain eugenol can impair the curing of composite cements used for subsequent permanent luting. If the plan is to use composite cements, the use of a eugenol-free temporary cement is recommended.

## 7. After cementation

Carefully check the sulcus and surrounding areas and remove any remaining residue of the temporary material or cement.

## ADDING TO, OR REPAIRING PROVISIONALS

- Roughen the fracture site and create mechanical retention on the adjoining sections.
- Clean using alcohol and then air dry.
- Join or add to existing restorations using *PERFECTemp 10* or the combination of a flowable, light-curing filling composite and a bonding agent.
- Cure *PERFECTemp 10* or composite according to the respective instructions for use.
- Prepare in the usual way after curing.

\*this is an average and can vary  $\pm 10$  seconds

## STORAGE

Do not store **PERFECTemp 10** at temperatures exceeding 25° C / 77° F. **PERFECTemp 10** will remain stable for up to 24 months after date of manufacture if kept below 25° C / 77° F. Store in a dry place. Avoid exposure to extreme temperature fluctuations. Do not store in a refrigerator.

## DO

- Always store unused material with the hardened mixing tip intact.
- Always ensure that both cartridge/syringe openings are clear of any particles before each use.
- Avoid contact with the eyes. On accidental eye contact, rinse immediately, carefully and thoroughly with eye wash or water. Consult a doctor if problems arise or persist.

## DON'T

- Do not try to force inadvertently set material through the cartridge/syringe openings.
- Do not use excess material outside of the mouth as an indication of intra-oral curing as the temperature will induce faster curing intra-orally.
- Do not replace the cartridge/syringe cap once it has been removed.
- Do not use after the expiration date.



- Do not leave any residue of the temporary crown and bridge material in the sulcus, on the tooth or oral cavity.
- Do not swallow the material. If swallowed accidentally, consult a doctor if problems arise or persist.
- Do not inhale grinding dust. Use safety glasses and face mask.





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