TurboTemp™ 2
INSTRUCTIONS FOR USE

PRODUCT DESCRIPTION
TurboTemp™ 2 is a syringeable bis-acryl composite for chairside provisional restorations. TurboTemp 2 is fast and accurate, especially when used in conjunction with a quality vinyl polysiloxane impression material such as Zest's First Quarter™, First Half™, or Start VPS™. TurboTemp 2 is available in 5 shades: A1, A2, A3, A3.5, and B1. All are delivered in 76g (50mL) cartridges designed to fit on a 4:1 style automix gun. Ten waste saver tips are included per refill kit.

INDICATIONS FOR USE
TurboTemp 2 is a temporary crown and bridge material designed as a syringeable acrylic provisional composite for temporary crown and bridge placement.

WARNINGS AND PRECAUTIONS
1. TurboTemp 2 contains methacrylate monomers which can cause allergic reactions in susceptible individuals. Avoid contact between uncured product and skin, oral soft tissues or eyes. Do not take internally.
2. Use as directed. This product is intended for use by dental professionals only.
3. TurboTemp 2 will adhesively bond to most dental adhesives and the air inhibited layer of resin-based restoratives, making provisional removal for trimming difficult.
4. Do not store material in the proximity to eugenol-containing products, nor let the material come into contact with material containing eugenol. Eugenol can impair polymerization of the material and cause discoloration.
5. Do not expose materials to elevated temperatures or intense light.
6. Exposure to temperatures below 74˚F/23˚C will extend the setting time of TurboTemp 2. Set times are based on room temperature material. Refrigeration will delay set times.
7. Avoid cross-contamination by using a new mixing tip for every patient.
8. Do not use cartridge intra-orally.
9. Do not use after expiration date.
10. TurboTemp 2 MUST BE REMOVED FROM THE PATIENT PRIOR TO 30 DAYS.

TIMING
0:00-0:40 – Insertion in the mouth
2:00-2:30 – Removal from the mouth
2:30-4:30 – Trimming/Finishing
5:00 – Final Hardness

RECOMMENDED METHOD
PRELIMINARY IMPRESSION: Prior to tooth preparation, place flexible vinyl polysiloxane (eg. Zest's First Quarter™ Monophase) on a TRIPLE TRAY™ and make a closed bite impression. Stiff heavy body materials (such as those for bite registration) must be avoided, as once removed, they will not go back well into undercuts. Alginate is an alternative, although less satisfactory.

PREP AND FINAL IMPRESSION: Prepare subject tooth and complete final impression. To preclude bonding to TurboTemp 2, cover any composite buildup with a separating agent.

IMMEDIATELY PRIOR TO USE: Remove cap and extrude a pea size quantity of material out of the cartridge. Eject slowly until a steady flow exudes from both compartments. Wipe off the end (without cross mixing) and install the mixing tip.

FABRICATE TEMPORARY

1. CEMENTATION METHOD
1. Discard the first pea size of mixed material and inject TurboTemp 2 into the prep areas of the preliminary impression (use care to avoid trapping air bubbles) and have patient close on the tray.
2. Remove the tray when TurboTemp 2 has reached its elastic phase (2:00-2:30 minutes after injection). The provisional restoration will be retained in the tray and appear slightly flexible. Remove excess material around the margins while it is still in the tray using an amalgam carver or #15 scalpel. Ensure composite is not locked into proximal undercuts.
3. Immediately reset the tray and restoration in the mouth until completion of cure (approx. 5 minutes after injection).
4. Remove the provisional restoration from the mouth and complete trimming and finishing with a diamond bur. Cement into place using a non-eugenol temporary cement, according to the manufacturer's instructions.
5. Porosity can be filled with a flowable composite, according to the manufacturer's instructions.

Note: If undercuts exist, such as inlay or onlay, brush non-eugenol cement into the undercuts and let it set before placing the TurboTemp 2.

2. SHRINK FIT METHOD
1. Discard the first pea size of mixed material and inject TurboTemp 2 into the prep areas of the preliminary impression (use care to avoid trapping air bubbles) and have patient close on the tray.
2. Remove the tray when TurboTemp 2 has reached its trimming/finishing phase (2:30-4:30 minutes after injection). Ideally the tray will come off the provisional restoration, leaving it firmly seated on the teeth. If not, immediately reseat the restoration on the teeth.

3. Trim off the flash using, for instance, Zest's Retraction Instrument. Move the instrument vertically to cleave the flash off the margins. Alternatively use a #15 scalpel blade to trim off the flash.
4. Porosity can be filled with a flowable composite according to the manufacturer's instructions.
5. For removal, the restoration will need to be split with a diamond bur and pried off.

Note: Non-cemented TurboTemp 2 restorations may turn dark after two weeks. To prevent this, either place a permanent restoration within two weeks or cement the temporary using a non-eugenol cement of your choice.

TURBOTEMP 2 BRIDGE FABRICATION: Three units is the recommended maximum span. To add strength to the proximals of posteriors, the connector areas should be modified to add bulk, prior to taking the preliminary impression. In the posterior, both buccal and lingual can be modified. In the anterior, most of the modification should be done on the lingual to preserve esthetics. Use your preferred block-out material or soft wax.

ADDITIONAL REINFORCEMENT: Wet the fiber with Zest's E-Bond™ or Accolade™ flowable composite. Place the wetted fiber into the occlusal aspect of the preliminary impression. Using TurboTemp 2, infuse the fiber reinforcement and fill the remainder of the impression. Seat the filled preliminary impression in the mouth. Remove at approximately 2 minutes after injection. The reinforced provisional bridge will remain in the preliminary impression when it is removed from the mouth. Finish and cement as indicated in the recommended procedure.

HELPFUL HINTS

- When starting with a new cartridge: place cartridge in gun, remove cap, and extrude a small amount of material to ensure both sides are flowing. NOTE: Always bleed the cartridge before installing a new tip.
- Make sure to mount the mixing tip properly. The tip has different size bores and a notch to indicate proper orientation. Incorrectly mounting the tip can damage cartridge or cause premixing of material.
- A slightly gummy air inhibited layer will remain on the hardened surface of the provisional restoration. This layer allows bubble and margin defects to be minimized by directly bonding with a flowable composite such as Zest's StartFlow™. The layer is easily removed with ethyl alcohol or polishing wheels/brushes.

STORAGE

Store at or below 77°F (25°C). Do not freeze. Use at room temperature.

DEFINITIONS OF SYMBOLS

The following symbols may appear on the product packaging or labeling.

SYMBOL	TITLE	EXPLANATORY TEXT	STANDARD	REFERENCE
	Manufacturer	Indicates the medical device manufacturer, as defined in EU Directive 93/42/EEC	ISO 15223-1	5.1.1
	Batch Code	Indicates the manufacturer's batch code so that the batch or lot can be identified	ISO 15223-1	5.1.5
	Consult Instructions for Use	Indicates the need for the user to consult the instructions for use	ISO 15223-1	5.4.3
	Use-by date	Indicates the date after which the medical device is not to be used	ISO 15223-1	5.1.4
	Temperature Limitation	Indicates the temperature limits to which the medical device can be safely exposed	ISO 15223-1	5.3.6
RxOnly	Rx Only	Caution: Federal law restricts this device to sale by or on the order of a dentist	US Code of Federal Regulations, Title 21	801.15(c)(1)(i)(F)

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