



Instructions for Use

Table of Contents

Introduction to the <i>TempSpan</i> Provisional System	1
• Temporary Crown & Bridge Material	
• Temporary Cement	
• Clear Matrix Material	
• Glaze	
Creating the clear matrix	7
Creating provisional restorations	9
Finishing and glazing provisionals	15
Finishing and mechanically polishing provisionals	17
Cementing provisionals	19
Provisional bridge reinforcement	21
Repairing provisional restorations	24

The TempSpan™ Provisional System

Fabricating provisional restorations should not consume the majority of the chair time that you schedule for crown and bridge procedures; this is why Pentron Clinical created the *TempSpan* Provisional System. Each of the products featured in this system is designed to save you time by providing you with ideal materials in convenient delivery systems. You will find **TempSpan Clear Matrix Material** to be the perfect compliment to **TempSpan Dual-Cure Temporary Crown & Bridge Material** because you can light cure directly through it. For cementing your provisional restorations, **TempSpan CMT Temporary Cement** provides ideal retention, easy clean up and minimized post operative sensitivity. To finish your provisionals, **TempSpan Glaze** creates a lustrous gloss on provisional restorations without the time consuming step of polishing.

Throughout this booklet, step by step instructions and technique tips are provided to help you create fast, accurate and beautiful provisional restorations each and every time.

TempSpan Provisional System instructions for use, in part, courtesy of:

Gregori M. Kurtzman,
DDS, MAGD, FACD, DICOI

• **Important:** Patients with known methacrylate sensitivity may be sensitive to this product especially when the glaze is used. To minimize any reaction, take care to avoid soft tissue irritation and ensure that the glazed restoration is fully cured on all surfaces. For patients with severe sensitivity, consider a TempSpan® Indirect restoration instead to prevent any exposure to residual monomer.

TempSpan® Dual-Cure Temporary Crown & Bridge Material


TempSpan C&B material is a dual-cure composite specifically formulated to produce highly esthetic and durable provisional restorations in the shortest time possible. Outstanding physical properties, a convenient auto-mix delivery system, and seven shades provide you with the ideal material for fabricating provisional restorations.

Indications:

- Use for the fabrication of provisional crowns, bridges, and veneers.

Contraindications:

- Not indicated for definitive restorations.
- **Important:** Patients with known methacrylate sensitivity may be sensitive to this product especially when the glaze is used. To minimize any reaction, take care to avoid soft tissue irritation and ensure that the glazed restoration is fully cured on all surfaces. For patients with severe sensitivity, consider a *TempSpan* Indirect restoration instead to prevent any exposure to residual monomer.

 Store at 36° - 55°F (2° - 12°C). Use at room temperature.
ISO 4049 resin based dental restorative filling material

TempSpan® CMT Temporary Cement


TempSpan CMT Temporary Cement is an eugenol-free resin cement formulated for ideal retention, easy clean up and the prevention of postoperative sensitivity during the provisional phase. Our convenient double barrel syringe with automix tips enables you to place cement directly into the provisional.

Indications:

- Cementation of temporary crowns, bridges, inlays, and onlays.
- Trial seating of definitive restorations.

Contraindications:

- Permanent cementation of definitive restorations.
- Temporary cementation of provisional veneers.

 Store at 36° - 55°F (2° - 12°C). Use at room temperature.
ISO 4049 resin based dental restorative filling material

TempSpan™ Clear Matrix Material

TempSpan Clear Matrix Material is a clear pre-operative material that reproduces fine detail for the fabrication of provisional restorations. Take your preliminary impression with this clear material and use the matrix for intra-oral and extra-oral polymerization of dual-cure provisional materials. **Important note:** Light curing *TempSpan* Dual-Cure Temporary Crown & Bridge Material minimizes the oxygen inhibited smear layer.

Indications:

- Use for intra-oral polymerization of light activated provisional materials.
- Use as a general impression material.

Contraindication:

- Do not use as a bite registration material.



Store and use at 65°-75°F (18°-24°C)

ISO 4823 dental elastomeric impression material

5

TempSpan™ Glaze

TempSpan Glaze is formulated with a nano-particulate filled resin that eliminates not only the time consuming step of polishing provisional restorations, but also the oxygen inhibited smear layer. One application of *TempSpan* Glaze effectively coats the provisional restoration and fills in any surface voids. After light cure, *TempSpan* Glaze creates an immediate lustrous gloss for beautiful, natural-looking provisionals. In addition to creating a fast and lustrous shine, *TempSpan* Glaze contributes to increased resistance to surface wear and staining.

Indication:

- Glazing of provisional restorations.

Contraindication:

- Not indicated for glazing unpolished definitive composite restorations.



Store and use at 65°-75°F (18°-24°C)

ISO 4049 resin based dental restorative filling material

6

Creating the Clear Matrix

- 1** If an edentulous space is present a denture tooth may be used to simulate a pontic. Tack the denture tooth to the adjacent teeth with wax or composite.
- 2** Select a rigid, clear plastic tray sized to provide at least a 2-3mm thickness of clear matrix material.
- 3** Brush a thin layer of Correct VPS® Tray Adhesive onto the tray and allow to air dry for five minutes. Tray adhesive may be applied up to 30 minutes prior to the application of clear matrix material.
- 4** Inject *TempSpan* Clear Matrix Material into the tray. Working time is 1 minute.



- 5** Seat tray.
- 6** Remove matrix material after two minutes in the mouth. Rinse the impression under cold water and blow dry.



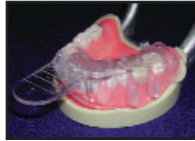
- 7** Prepare the tooth or teeth as needed.
- 8** Take the final impression; Correct Plus® Hydrophilic Impression Material is recommended. The preliminary impression taken with *TempSpan* Clear Matrix Material may be used for the final impression by relining it with *Correct Plus* Thick n Thin® Light Body or *Correct Plus* Light Body.

Creating Provisional Restorations

- 1** Using scissors or a scalpel, trim the interproximal areas of the clear matrix that will be used to form the provisional with *TempSpan* Dual-Cure Temporary C&B Material.



- 2** Trial seat the matrix into the mouth to ensure ease of seating prior to the fabrication of the provisional. If the clear matrix does not seat fully, it may be necessary to further trim any interproximal areas that cause interference.



- 3** Lubricate the prepared and adjacent teeth with a water-soluble lubricant to prevent the provisional from locking onto the preparation.

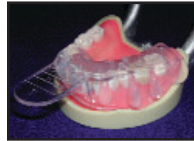


Note: Topical anesthetic gel, petroleum jelly or glycerin may be used to lubricate the teeth.

- 4** Prior to injecting *TempSpan* C&B material in to the clear matrix, dispense a pea-size amount of the material and discard. Inject *TempSpan* C&B material into the clear matrix. Fill the matrix from the occlusal surface toward the margins. Keep the mixing tip submerged in the *TempSpan* C&B material as you fill the clear matrix to avoid bubbles. You have approximately 60 seconds to fully dispense *TempSpan* C&B material into the matrix.



- 5** Seat the clear matrix over the preparation site using steady, even pressure. Hold the clear matrix firmly in place.



6a Shrink Fit Technique

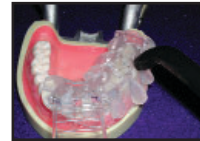
Light cure each unit for 20 seconds, buccal and lingual, and check the matrix to confirm that the provisional has set. Once the provisional has completely cured, remove the clear matrix from the mouth. The provisional does not require cementation and will remain locked onto the preparation. Proceed to step 7.



Note: Maintain close contact of the light guide to the clear matrix for maximum light transmission.

6b Light Initiation Technique

Light cure the center area being temporized for 20 seconds to initiate the gel stage of *TempSpan* C&B material. Once *TempSpan* C&B material has reached the gel stage, tease the impression off the teeth slightly then reseat the provisional to ensure it is not locked into any undercuts. Remove *TempSpan* C&B material from the mouth with the clear matrix.



Note: If using an opaque impression material, tease the provisional restoration from the prepared teeth 45 seconds after seating in the mouth to ensure it is not locked into any undercuts. Remove the impression from the mouth with the *TempSpan* C&B material approximately 1½ to 1¾ minutes from insertion. **When using an opaque matrix, *TempSpan* C&B material must be monitored intra-orally to ensure that the provisional is removed while it is in a hardened but elastic state. This prevents any permanent distortion or breakage from occurring.**

6c Allow the provisional to complete the curing process in the matrix outside of the mouth for 2 minutes. For an instantaneous complete cure, light-cure the provisional 20 seconds per section. The provisional may also be placed in a cup of hot water for at least 30 seconds to accelerate the set.



6d Remove the provisional from the clear matrix.



6e Clean off any residual oxygen inhibited smear layer on the surface of the provisional by wiping it with ethyl or isopropyl alcohol.

7 Contour then glaze the provisional restoration with *TempSpan* Glaze. The provisional may be mechanically polished, if preferred.

Proceed to Finishing and Glazing the Provisional

Finishing and Glazing the Provisional

- 1** Using either carbide or diamond finishing burs, finish the margins and contour the provisional restoration.



- 2** Clean the provisional with water or alcohol to remove any loose debris, then dry thoroughly.

- 3** Apply a thin coat of *TempSpan* Glaze to the provisional with an applicator brush.

Optional Step: Lightly air thin *TempSpan* Glaze to ensure even coverage.



- 4** Light-cure each surface of the provisional for thirty seconds. Apply additional coats as desired.



Note: *TempSpan* Glaze has been formulated to cure with both halogen and LED curing lights.

Proceed to cementing the Provisional

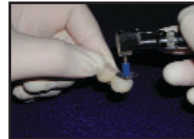
Finishing and Mechanically Polishing the Provisional Restoration

If you prefer to polish rather than glaze, **Fini™ Polishing Disks** are recommended

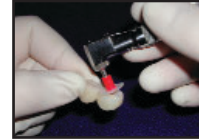
- 1** Using a carbide or diamond bur, finish the margins and contour the provisional restoration.



- 2** Begin polishing the provisional with the Medium *Fini* Disk (blue) at 10,000-15,000 rpm.



- 3** Continue polishing with the Fine *Fini* Disk (red) at 15,000 rpm.



- 4** Achieve a finished gloss with the Extra Fine *Fini* Disk (white) at 25,000 rpm.



Proceed to Cementing the Provisional

Cementing the Provisional Restoration

- 1a** Prior to placing the mixing tip onto the syringe, observe the level of *TempSpan* CMT Temporary Cement in the adjoining orifices. If the level is not the same in both orifices, bleed excess material from the syringe until both sides flow evenly. The mixing tip may now be effectively placed on the syringe.
- 1b** After dispensing material through the mixing tip, do not retract the plunger to stop the flow of material. Doing so can contaminate the base and catalyst causing material to cure in the syringe. To stop the flow of material through the mixing tip orifice, remove the used mixing tip and replace it with the storage cap.
- 2** Using slight pressure, dispense a thin layer of *TempSpan* CMT Temporary Cement directly into the provisional restoration.



- 3** Within 1 – 1½ minutes from initial dispensing, carefully, but firmly, seat the provisional restoration on the preparation site.
- 4** Instruct the patient to gently occlude into the provisional until the restoration is fully seated.
- 5** Clean any excess *TempSpan* Cement with a cotton swab prior to setting. Set cement may be removed with an explorer.
- 6** *TempSpan* Cement will set in approximately 2½ - 3 minutes.



Provisional Bridge Reinforcement

Splint-It® Resin Reinforced Fiber Strips are recommended

- 1 Create a clear matrix as outlined in the section titled Creating the Clear Matrix.

- 2 Apply a water soluble lubricant to the abutments to prevent *TempSpan* material from locking onto the preparation.



- 3 Wrap a *Splint-It* Resin Reinforced Fiber Splinting Strip around each abutment tooth. Place a drop of Flow-It® ALC™ Flowable Composite at the pontic area to tack the ends of the fiber together creating a fiber bar across the pontic span.



21

- 4 Inject *TempSpan* C&B material directly into the clear matrix. Fill from the occlusal surface toward the margins. Keep the mixing tip submerged in the *TempSpan* C&B material as you fill the clear matrix to avoid bubbles. You have approximately 60 seconds of dispensing time.



- 5 Inject *TempSpan* C&B material around the *Splint-It* fiber in the pontic span and over the abutment teeth.



- 6 Seat the clear matrix over the preparation site using steady, even pressure. Hold the clear matrix firmly in place.



22

- 7** Light cure the center area being temporized for 20 seconds. This will initiate the gel stage of *TempSpan* C&B material. Remove *TempSpan* C&B material from the mouth with the matrix. If the provisional bridge remains on the abutments, tease it off by engaging the connector area between each unit.



- 8** Allow the provisional to complete the curing process in the matrix outside of the mouth for 2 minutes. For an instantaneous complete cure, light-cure the provisional 20 seconds per section. The provisional may also be placed in a cup of hot water for at least 30 seconds to accelerate the set.



- 9** Remove the provisional from the clear matrix.



- 10** Clean off any residual oxygen inhibited smear layer on the surface of the provisional by wiping it with ethyl or isopropyl alcohol.
- 11** Finish then glaze or polish as desired.

Repairing Provisional Restorations

- 1** If the oxygen inhibited layer is present, proceed to step 2. If the oxygen inhibited layer has been removed, roughen the area to be repaired with a diamond or carbide bur.



- 1b** Apply bonding agent such as Bond 1® Primer/Adhesive or other suitable bonding agent. Light cure for ten seconds.



- 2** Apply Flow-It® ALC™ Flowable Composite directly to the area being repaired. If preferred, TempSpan® C&B material may also be used for repair.



- 3** Light cure for 10 seconds.



- 4** Remove or trim any excess material with a diamond or carbide bur.



- 5** Finish then glaze or polish as desired.



TempSpan Provisional System

Ordering Information:

TempSpan Dual Cure Temporary Crown & Bridge Material

Available in the following shades:

A0	REF N69AA	A3.5	REF N69AE
A1	REF N69AB	B1	REF N69AF
A2	REF N69AC	C2	REF N69AG
A3	REF N69AD		

All refills include:

- 1 - 50ml/80gm cartridge of *TempSpan* Dual-Cure Temporary C&B Material
- 15 Mixing Tips
- Instructions, and MSDS

TempSpan CMT Temporary Cement REF N69CA

All refills include:

- 1 - 4.5ml/6.9gm auto-mix syringe of *TempSpan* CMT Temporary Cement
- 12 Mixing Tips
- Instructions, and MSDS

TempSpan Clear Matrix Material REF Q34CB

All refills include:

- 4 - 50ml/ 52gm cartridges of *TempSpan* Clear Matrix Material
- 16 Mixing Tips
- Instructions, MSDS, and Batch Report

TempSpan Glaze REF N69G

All refills include:

- 1 - 6ml bottle of *TempSpan* Glaze
- Instructions, and MSDS

Ordering Information

Express Limited Warranty: Pentron Clinical Technologies, LLC warrants that this product is not defective for a period of one year.

Buyer's Exclusive Remedy: In the event that this product proves to be defective within a period of one (1) year from the date of shipment to Buyer, Buyer's exclusive remedy shall be at Pentron Clinical Technologies, LLC's option of either replacement of the product or defective part or component, free of charge, or refund of the purchase price. Buyer is only entitled to this remedy upon a showing that the product has been stored and used in accordance with Pentron Clinical Technologies, LLC's instructions, with the exception that this warranty nevertheless extends to products whose expiration dates fall within the one-year limited warranty period.

Disclaimer of Consequential Damages: Pentron Clinical Technologies, LLC hereby disclaims any liability for loss or damage, direct or consequential, that results from the use of this product.

Disclaimer of All Other Warranties: THERE ARE NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, CONNECTED WITH THE SALE OF THIS PRODUCT. PENTRON CLINICAL TECHNOLOGIES, LLC SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



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