

# BRIDGES

# 12

## AE (Advanced Esthetic) Temps™

### Brawn and Beauty!

The world of provisionalization is evolving rapidly. Temporaries are now expected to serve for a far longer length of time (up to six months or more) as implant therapy grows in popularity and to be far more esthetic, meeting ever more stringent patient expectations in cosmetic dentistry. Provisionals are also being asked to cover a wider range of indications than ever before – moving from just maintaining a patient's esthetic and functional health to helping assess that patient's home dental routine; evaluating occlusal function, phonetics and vertical dimension as a diagnostic aid; preserving periodontal health; maintaining the position of abutment teeth; protecting pulpal tissue; and even serving to retain surgical dressings. All of this while being barely, if at all, noticeable both to the patient and his or her peers. Unfortunately, most current provisional systems have limitations in terms of their wear characteristics, load-bearing capabilities or esthetics.

Aurum Ceramic/Classic's exclusive new AE (Advanced Esthetic) Temps™ offer a revolutionary combination in a premium temporary: exceptionally high strength *and* unsurpassed world-class esthetics. Monomer-free and custom laboratory-fabricated, these biocompatible provisionals are perfect for a wide range of cosmetic and restorative options: Long-term treatment plans, full-mouth reconstruction, vital support and transitional loading for implants and stability for periodontal treatment. Best of all, they offer dazzling, colour-stable esthetics far superior to any other temporary alternative.



### Dazzling Esthetics



Anterior AE Temp™.

Our AE Team™ of cosmetic provisional specialists have perfected unique techniques that create picture-perfect smiles. Every AE Temp is custom crafted exclusively to meet the esthetic needs of the individual patient. Natural characterization, line angles, embrasures, surface texture and occlusion all make our AE Temps the most life-like option available.

AE Temps make a great try-in diagnostic as well. Their esthetics improve case acceptance – and, you can seat them immediately upon receiving patient approval. Unlike other try-in alternatives, they can also serve as a high quality treatment guide.

### Outstanding Function & Longevity



Posterior AE Temp™.

AE Temps™ exceptionally high flexural strength (165 MPa) allows your patients to perform daily function without interruption, even over extended periods of time. In fact, their superior physical properties, durability and wear-resistance allow clinicians to temporize even full mouth reconstruction and implant cases with perfect confidence. Emergence profiles are carefully developed, aiding in tissue healing and improved oral health.

AE Temps are easy to reline, place and repair conventionally. They can even be adapted over time to new contours as gingival tissue heals and changes.

### Features and Benefits

- Exclusively from Aurum Ceramic/Classic.
- High flexural strength (165 MPa).
- Superior physical properties, durability and wear-resistance.
- Temporize even full mouth reconstruction and implant cases.
- Natural esthetics defy detection in the mouth.
- Custom crafted to meet the esthetic needs of the individual patient.
- Natural characterization, line angles, embrasures, surface texture and occlusion.
- Easy to reline, place and repair conventionally.

## Indications:

- Cosmetic therapy, where esthetics are primary concern.
- Where added strength needed in provisional.
- Where temporization required for extended time.
- When immediate extraction and ridge healing required.
- Where periodontal treatment required in post-extraction cases.
- Remaining dentition has unfavourable prognosis.

## Contraindications:

- Financial considerations (i.e., where lab cost can not be included in fee to patient).

## Shade Selection:

- For basic shades, use the Vita Lumin or Vita 3D Master Shade Guides.

## Laboratory Requirements:

1. Thoroughly detailed prescription denoting which teeth are to be crowned, extracted and/or bridged as well as selected shade.
2. Clear and accurate upper and lower full arch impressions and study models.
3. Bite registration.

## Placement Procedure:

### A. Long-term Temporization After Removal of Existing Restorations

NOTE: AE Temps make an excellent option when tissue-management issues arise (e.g., inflamed tissues caused by contact with metal crowns or bridges). An AE Temp provides both excellent patient-pleasing esthetics and time for the tissues to recover prior to placing the final replacement restorations.

1. Remove existing crown or bridge restorations.
2. Take a clear and accurate impression of the existing preparations. Send this impression to the laboratory along with a detailed prescription denoting teeth to be crowned and/or bridged and selected shade. Include a bite registration.

3. Cover the existing preparations with a short-term temporary material.
4. Aurum Ceramic/Classic will fabricate beautiful AE Temps exact to the margin and return them to your office.
5. Remove short-term temporary material and place AE Temps as per routine.

### B. Standard Shell Temp Technique

1. Technician will duplicate master model. Duplicate model will be adjusted by dental technician to agree with prescription (original cast serves as continuing reference for tooth contours, anatomy, texture and gingival architecture).
2. Upon receipt of AE Temps from lab, prepare teeth with standard PFM or all-ceramic preparation guidelines depending on final restoration chosen. Preparation of crown forms should allow ample room for easy seating. Prior to tooth preparation, review extent of tooth reduction on duplicate cast to identify the incisal, lingual, facial, mesial and distal aspects along with the extent of gingival reduction. Final tooth preparation must be within those dimensions.
3. Test fit provisionals onto finished tooth preparations. Evaluate and adjust for complete seating with acceptable occlusion.
4. Clean internal surfaces with aluminum oxide or lightly grind with 1/4 round bur.
5. Reline AE Temps with PMMA acrylic or Integrity™ Temporary Crown and Bridge material. Consult manufacturer's instructions for proper reline technique.
6. Reseat the temporaries and allow excess material to express.
7. Remove excess material.
8. Remove temporary and finish and polish margins.
9. Apply temporary cement and seat temporaries.
10. Finish and polish.



Figure 1 - Test fit of restoration.



Figure 2 - Clean internal surface.



Figure 3 - Reline AE Temps.



Figure 4 - Reseat case.



Figure 5 - Remove excess material.



Figure 6 - Finish and polish margins.



Figure 7 - Apply temporary cement.



Figure 8 - Finish and polish.

### Repair Technique:

1. Roughen fracture surface with medium burs and clean thoroughly.
2. Treat with Prime and Bond NT Universal Adhesive and light cure. NOTE: Avoid applying adhesive to tooth surfaces.
3. Apply TPH® 3 MicroMatrix Restorative as repair material and light cure.



Figure 1 - Roughen surface.



Figure 2 - Apply TPH® 3 MicroMatrix Restorative.

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