

# CAST PARTIALS

## NATURALFLEX™ II

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### Super Strong Partial, Removable Bridges and Long-Term Temporaries

Based on acetyl resin technology proven in European dentistry over almost a decade, NaturalFlex II offers practitioners a host of advantages over our original NaturalFlex and other thermoplastic materials.

NaturalFlex II opens up a tremendous range of treatment options including partial dentures and removable bridges with true long-term esthetics. Its superior strength allows you your choice of tooth- or tissue-coloured resin clasps every bit as thin as those made from metal. And, unlike the original NaturalFlex, improved NaturalFlex II is now indicated for many new applications such as unilateral space maintainers, posts, temporary bridges, implant abutments, clasps on existing metal partials and orthodontic devices.



*NaturalFlex II virtually disappears in the mouth as shown by white clasp on model to the left.*



*Temporary and unilateral.*



*Overlay partial.*



*NaturalFlex II partials.*

### Features and Benefits

**Natural Esthetics.** Clasps virtually disappear in the mouth (without sacrificing function or integrity). Twenty colour-stable shades. Three pink hues to match conventional acrylic resins. Ensures a perfect customized esthetic match for each patient.

**Excellent Patient Acceptance.** Flexible for a comfortable fit. No need to warm appliance prior to insertion. Biocompatible, non-allergenic, monomer-free.

**Unsurpassed Physical Properties.** Lightweight, yet among the most resistant and stiffest non-reinforced materials. Excellent tensile and shock strength. Up to 20 times harder than restorations fabricated from standard acrylic materials. High elastic memory. Remarkable dimensional stability.

**Guaranteed\*.** Every NaturalFlex II appliance produced by Aurum Ceramic/Classic Dental Laboratories carries a full TWO YEAR warranty against defects in material and craftsmanship.

\* Certain terms and conditions apply. Some restrictions may apply due to the regulations of the College of Dental Technologists of Ontario.

## Indications:

- Partial Dentures
- Removable Bridges
- Tooth or tissue-coloured clasps
- Unilateral Space Maintainers
- Posts
- Temporaries (short and long-term)
- Implant Abutments
- Clasps on existing metal partials
- Orthodontic Devices
- Anatomical Bite Restorer (for doctors doing full mouth rehabilitations)

## Contraindications and Concerns:

- Clasps have been crafted in exact proportion for proper function. DO NOT reduce clasp thickness at chairside. This could jeopardize strength and/or retention.

## Shade Selection:

Select shade for teeth and clasps with Bioform® or Vita® Lumin Shade Guide

## Preparation Techniques and Tips:

### 1. First Appointment (Clinical Examination and Study Model Impression)

- A. Conduct a complete clinical examination including Periapical and Panoramic x-rays.
- B. Take a high quality alginate impression (e.g., Accu-Dent System 2 from Cerum Dental Supplies Ltd.) for both maxillary and mandibular arches. Pour completed impressions in high strength laboratory stone to create accurate Study Models within 5 minutes of impression-taking. Take a bite registration.
- C. Provide a complete prescription including usual information pertaining to patient and treatment plan. Send prescription, study models and bite registration to laboratory. The laboratory will return mounted study models and bite rims (if bite registration wafers are not sufficient) for next appointment.

### 2. Second Appointment (Tooth Preparation and Final Impression)

- A. Restore the dentition where necessary. Prepare the teeth for rests, guide planes, occlusal room, retention, etc. as indicated by the design.
- B. Using high quality alginate (e.g., Accu-Dent System 2 from Cerum Dental Supplies Ltd.), take a final impression (NOTE: If the opposing model is damaged, take a new impression of this as well). Pour completed impression(s) in high strength laboratory stone within five minutes of impression-taking to create final Master Model.
- C. Send complete prescription, master model, opposing model, bite registration, articulator and final design to laboratory. Laboratory will return a framework for try-in.

### 3. Third Appointment (Evaluation and Try-In)

- A. Examine laboratory-supplied framework on master model mounted, along with opposing model, on articulator supplied by laboratory. Also examine framework by itself.
- B. Insert the framework into the mouth and evaluate it for rest and clasp fit, adaptation to abutment teeth, occlusal interference, relief areas and overall stability.
- C. Place disclosing agent on framework. If necessary, adjust framework with carbide burs while in the mouth to relieve areas where the framework binds. Repeat process if necessary. Adjust opposing dentition with diamonds, burs and polishing points. Polish relieved areas with rubber points and wheels. Confirm occlusal relationship with wax bite rim or wafer.
- D. Select tooth shade and mould according to patient needs and established guidelines.
- E. Send laboratory prescription, tooth selection information, framework on master model and articulator with opposing model. Laboratory will return teeth set up on framework for next appointment.

### 4. Fourth Appointment (Esthetic and Functional Try-In)

- A. Examine framework (with teeth now in place) on master model, on articulator with opposing model and in the mouth.
- B. Evaluate functional aspects of framework intraorally. Check rest and clasp fit, adaptation to teeth, occlusal interference, relief areas and overall stability. Adjust as necessary.
- C. Evaluate esthetic aspects of framework intraorally. Check esthetics of teeth, shade match and occlusion. Adjust teeth if necessary.
- D. Discuss acceptance of framework design, placement and shade of teeth and overall esthetics with patient. Have patient sign acceptance form for completion.
- E. Return prescription, patient approved framework with teeth and articulator to laboratory. Laboratory will return finished NaturalFlex II partial for insertion.

### 5. Fifth Appointment (Final Insertion)

- A. Examine complete finished partial.
- B. Find an easy path of insertion and insert partial into mouth. Evaluate occlusion, function and esthetics. Check lateral and protrusive excursions. Adjust as necessary.
- C. Apply pressure indicating paste to tissue side of acrylic saddles. Reinsert partial into mouth, check for pressure spots and adjust.
- D. Demonstrate appliance insertion and removal to patient. Patient MUST be able to perform these before leaving office. Instruct patient in appliance management and care.

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