

Patient Care

Like any removable prosthesis, the patient should be instructed to utilise good hygienic practices to maintain the appearance and cleanliness of the Flex-i-Denture.

The prosthesis should be soaked overnight at least three nights a week in a good denture cleaner. Alternatively the patient may immerse the case daily in a strong denture cleaner for 10 to 15 minutes. The case should be thoroughly rinsed and brushed before reinserting into the mouth. A concentrated denture cleaner can be used for daily and periodic deep cleaning and is available from Phoenix.

Special Applications

Flex-i-Denture materials can be used in an unpigmented form for TMJ splints. Its resilience and strength make it ideal for this purpose. It can be used for full dentures when the patient has protuberant bony structures or large tuberosities that would normally need to be reduced to allow the insertion of a rigid denture base.

Flex-i-Denture material is ideal for all removables in cases where the patient is prone to breaking dentures.

Flex-i-Denture materials can be used in cosmetic veneers to mask gingival recession in a variety of situations including implants.

Flex-i-Dentures solve many difficult treatment problems including periodontal involved teeth, sensitive teeth, cancerous mouths, or other conditions in which the teeth are compromised.

Flex-i-Dentures are also ideal in mouths with high torus or cleft palate conditions.

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Welcome to PHOENIX.
Thank you for choosing to use our Dental
Laboratory Services

Product Information

Phoenix



Flex-i-Dentures

COBALT CHROME CROWN & BRIDGE PROSTHETICS ORTHODONTICS

Phoenix Flex-i-Dentures



Phoenix Flex-i-Dentures are ideal for full, partial and unilateral prostheses. The materials have unique physical and aesthetic properties and are selected from a range of biocompatible nylon thermoplastics which leave no “metallic” taste and are completely free of acrylic monomers. Flex-i-Denture materials are available in medium pink, light pink, ethnic and clear. They are guaranteed for five years against breakage when fabricated and applied in accordance with the manufacturers specified procedures.

There are four basic material formulations, each with individual characteristics making them eminently suitable for specific applications.

Flexite Supreme - An exceptionally tough and flexible material, perfect for full dentures and upper partial skeleton designs.

Flexite Plus - Unbreakable, tough and super flexible. Suitable for small unilateral or lower free end saddle dentures with difficult paths of insertion. This material can accommodate undercuts that would normally need blocking out thereby providing a unique retention feature.

Flexite Northerm - A new biocompatible and monomer free thermoplastic particularly suitable for full dentures. This material has very good dimensional stability and provides dentures having an excellent class of fit.

Valplast® - A nylon thermoplastic material particularly suitable for partial dentures as well as TMJ splints, bruxism and anti snoring devices.

Patients report that Flex-i-Denture materials are very comfortable and that they feel confident when eating, smiling and appearing in public because of the excellent retention and aesthetics.

No tooth or tissue preparation is needed. An alginate working and opposing impression should be sent to the lab. The prosthesis will then be produced according to your instructions. The initial laboratory processes comprise casting of models and duplicating the working model, and waxing up. The wax up is then

sprued to facilitate injection moulding and invested. After boiling out of the waxup, the teeth are prepared for *mechanical* retention. The Flex-i-Denture resin is then injected into the closed flask and allowed to cure. After deflasking it is finished and fitted to the master model, polished and packed in a moist environment for delivery to the surgery.

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Insertion and Retention



The variable flexibility of this product allows us to choose the right amount of flexibility to engage the tissue undercut. Unlike tooth undercut we need to know the type of soft tissue we are dealing with.

Soft flabby tissue will allow us to use more undercut than bony hard tissue. The path of insertion using the maximum undercut is chosen so the insertion of the denture, by the patient is crucial.

It may be necessary, due to different tissue softness, to relieve the flange to achieve optimum retention. If any reduction is needed due to persistent irritation the resin can be adjusted but it should be handled in a different way to acrylic.

We recommend a small #13 Green Mounted Stone (as used typically for porcelain) be used to reduce the surface. The stone should be moved continuously over the surface while adjusting. If any threads remain these can be removed with a sharp blade and any roughness removed with a brown rubber wheel. If needed the surface can be repolished with Acrylux® 150, Brown Tripoly, and Val-Shine polishing compound. These items can be obtained from Phoenix. Alternatively the denture may be returned to us for final polishing if required.

Additions: If an addition is needed, take an alginate impression with the case in the mouth. Remove the case and impression from the mouth. Ensure that all pastes or adhesives are removed from the tissue-surface of the case.

Relines: Individual saddles can normally be relined using an injection technique. For an overall reline the case is normally jumped into a new base. With the patient in full and correct occlusion, take a rubber base impression under the case. Once the rubber base impression has set, take an overall alginate impression and remove case and impression from the mouth.



In both above cases be sure that the partial is seated fully in the impression. Send impression/case to Phoenix in a moistened specimen bag together with relevant instructions.

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