GET THE CHEMISTRY RIGHT...

ECLIPSE®
PROSTHETIC RESIN SYSTEM

...JUST AS THE NEW ECLIPSE®
COMFORT DENTURE ACRYLIC DOES.

Eclipse® – a new dimension in denture acrylics

Confident bite registration with a good suction, firm fit and stable base.

Verify the denture's retention and fit during bite registration.

Final occlusal adjustments can be made during the try-in. Extended try-in times possible.

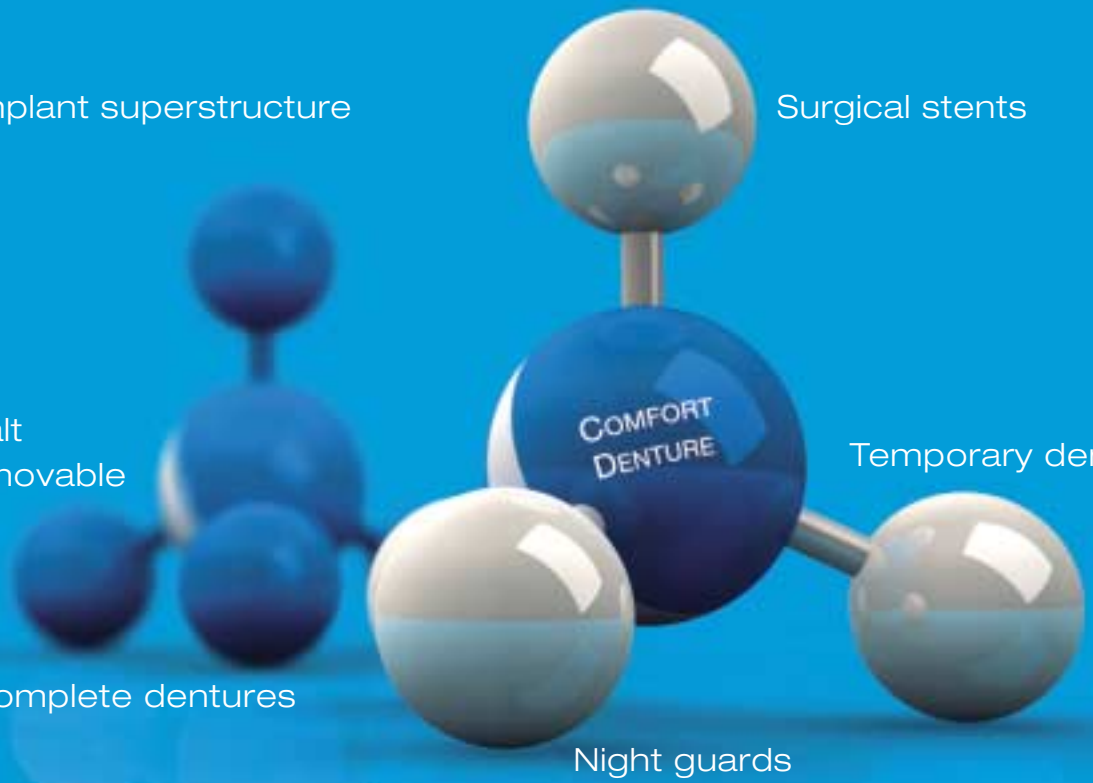
These are just some of the advantages of the new Eclipse® comfort denture acrylic.

Eclipse® light-curing acrylic is a development based on urethane oligomers, a class of material already in use in many dental products and applications.

The following three Eclipse® components are used to make up an Eclipse® comfort denture: the base material, set-up material, and contour material.

Besides having exceptional mechanical properties, they are free from MMA and benzoyl peroxide.

Broad range of indications:



Implant superstructure

Surgical stents

Chrome cobalt and fixed/removable dentures

Temporary dentures

Complete dentures

Night guards

Eclipse® dentures can be repaired and relined without restriction using either Eclipse® or conventional hot and cold-curing acrylics.

The Advantages:

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What are the benefits of Eclipse®?

- Simplified bite registration thanks to the denture base's outstanding fit.
- The base used at bite registration is used in the finished denture. This allows testing and adjusting of suction and fit during bite registration.
- Straightforward try-in thanks to secure set-up of denture teeth.
- Longer try-in times including grinding-in of denture teeth possible.
- Free from MMA and benzoyl peroxide.
- Eclipse® comfort dentures have a superb life expectancy.

Reasons for prescribing Eclipse® comfort dentures:

- Eclipse® comfort dentures are very comfortable in use for patients, which results from the material's low specific weight and good fit.
- Eclipse® comfort dentures are free from MMA and benzoyl peroxide and thus most biocompatible.
- Thanks to their high flexural and impact strength, Eclipse® comfort dentures are exceedingly durable.

Convincing Material Properties

Flexural Strength

Flexural strength is the property of a solid that indicates its ability to withstand bending. A load is applied to the specimen until it breaks. Eclipse® acrylics exhibit better flexural properties than those of conventional hot or cold-curing acrylics.

Material	Flexural strength MPa	E-modulus GPa
Eclipse® base material	125	3.2
Eclipse® set-up material	123	3.1
Eclipse® contour material	113	2.9
Conventional cold-curing acrylic	63	2.4
Conventional heat-curing acrylic	74	2.6

Impact Strength

Impact strength is a material's ability to withstand shock loading without breakage. Eclipse®'s impact strength is much higher than that of conventional hot or cold-curing acrylics.

Material	Impact strength (unnotched) kJ/m²
Eclipse® base material	14.7
Eclipse® set-up material	11.3
Eclipse® contour material	7.3
Conventional cold-curing acrylic	1.9
Conventional heat-curing acrylic	2.3

Facts about working with Eclipse®

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The base plate is first made with Eclipse®. The cured base plate is then used for bite registration and will also be part of the finished denture. Following successful bite registration, set-up the denture teeth on the base plate with Eclipse® set-up material. Finally, wax up the restoration with Eclipse® contour material, after a successful try-in, carry out final curing.

Registration

The base plate used during bite registration is made from cured Eclipse® base material and is eventually part of the finished denture. The base's good fit not only simplifies bite registration, but also allows assessment of suction and fit of the finished denture at an early stage.

Storage

Eclipse® acrylics are light-curing materials. When in their uncured state, they must be protected from exposure to any source of light. After try-in, please replace all restorations in protective bags or boxes before returning them to the laboratory.

Try-in

Apart from the denture base, Eclipse® dentures you receive for try-in are still in an uncured state. Compared with a conventional wax up, the restoration is more stable and allows longer try-in times. Denture teeth can also be ground in. The material's opaque appearance will change during curing so the finished restoration resembles the shade guide exactly.

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Ask your dental laboratory about the new Eclipse® comfort denture acrylic.

Your Dental Laboratory

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