

NEW GC TISSUE CONDITIONER

Everything you
could wish for
in a relining
material



GC

GC TISSUE CONDITIONER is the first all-in-one tissue conditioning and soft relining material.

YOUR CHOICE -

Short term or long term applications

The patented technology allows early plastic properties for functional impression taking and tissue conditioning, with a gradual transition to elastic properties for longer term cushioning as a soft reline. These benefits are achieved while at the same time maintaining a smooth surface that can last up to 6 months.



YOUR CHOICE -

Easy to remove or firmly bonded

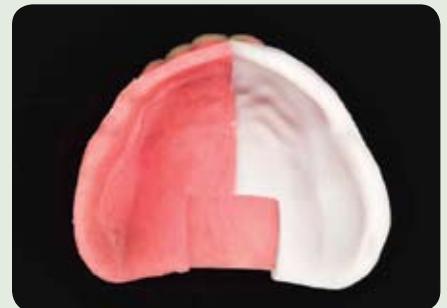
GC TISSUE CONDITIONER features high tear resistance so removal is quick, clean and easy. If increased bond strength is required the option is available to use the coating agent as an adhesive, resulting in longer term retention and enhanced marginal integrity. In these cases a bur or shape blade will be required to remove the reline.



YOUR CHOICE -

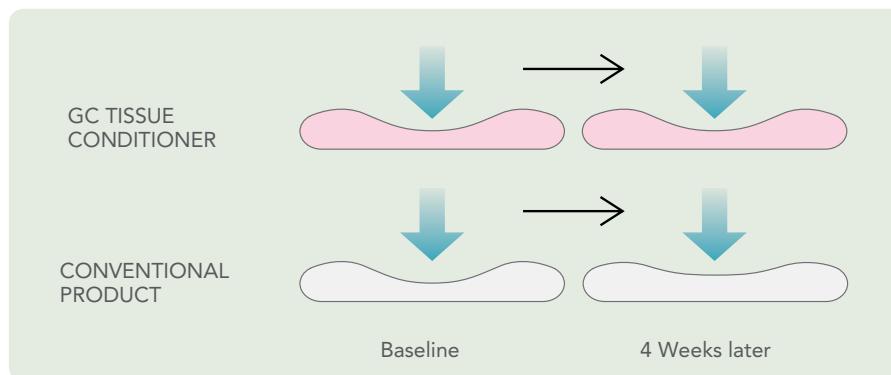
White or Live Pink

Live Pink is a more translucent veined pink shade which blends well with denture acrylic for clinical cases where an aesthetic shade is required. White shade is beneficial when an awareness of the thickness of the tissue conditioner is required.



Softer for longer

The unique chemical structure means plasticiser and alcohol remain more tightly bound in the matrix allowing the material to stay soft for longer periods than conventional materials.



Clean and odourless

A combination of smooth mixing without air incorporation, unique matrix structure and coating agent mean the surface of GC TISSUE CONDITIONER maintains its integrity for longer, minimising uptake of stain and micro flora to help keep the material clean and odour-free.



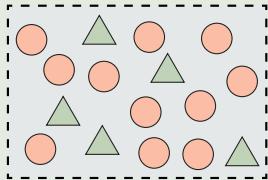
Fast placement

GC TISSUE CONDITIONER is easy to mix forming an ideal viscosity for fast placement. With just 5 mins setting time in the mouth required GC TISSUE CONDITIONER is designed for operator convenience.

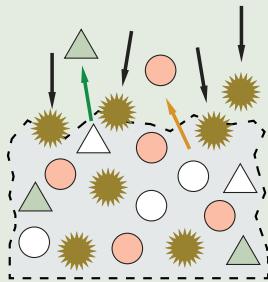


Introducing new relines technology to solve the problems of conventional tissue conditioning materials

Conventional products



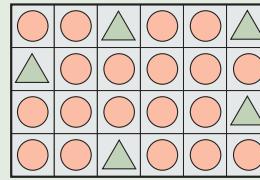
Immediately after placement the surface of conventional tissue conditioners is rough and the uptake of oral micro flora into the material is difficult to avoid



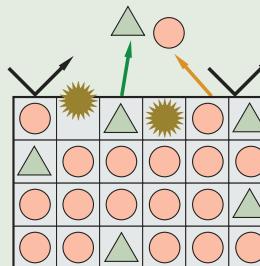
Over time plasticiser and alcohol are lost as the material degrades and the deteriorating surface allows deeper penetration of oral micro flora. The relines is now more difficult to clean and discolouration and odour start to develop

-  Plasticiser
-  Alcohol
-  Tissue conditioner
-  Substance causing deterioration

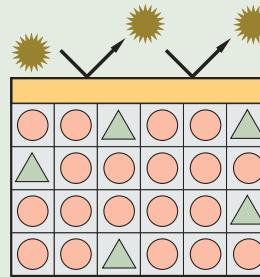
GC TISSUE CONDITIONER Patented Formulation



A multifunctional monomer contained in the liquid forms a strengthened matrix after mixing. This structure still allows short term plastic deformation and continued elastic properties over time



The strengthened matrix is much more resistant to degradation and loss of alcohol and plasticiser over time. Substances that cause deterioration and oral micro flora have difficulty penetrating the surface



The application of an optional surface coating agent further protects the material for even greater longevity of relines

Clinical Steps



1. Where required adjust areas with a carbide bur to allow minimum 1mm thickness of GC TISSUE CONDITIONER.

OPTION: Apply the coating agent to areas where a stronger bond is desired



2. Dispense powder (1 unit) and liquid (2 units). Mix for 30-60 seconds until the mixture becomes creamy.



3. Apply the mixture to the prepared denture and seat in the mouth.

TECHNIQUE TIP: To avoid sticking during handling lubricate fingers and instruments with water.



4. After 5 minutes remove from the mouth. Trim off excess with a sharp instrument. Rinse and dry.



5. *OPTION: Apply the coating agent to the relined surfaces of the denture. Dry thoroughly with an air syringe or leave undisturbed for 4-5 minutes.*



6. Completed application.

TECHNIQUE TIP: Immersion in water before final seating will reduce unwanted odour.

Q&A

Q. Can the powder and liquid ratio be varied?

A. Yes. The consistency can be adjusted, however it is advised to keep within $\pm 33\%$ of the recommended powder/liquid ratio.

Q. Is it necessary to always finish the relined surface with the coating material?

A. No, not always. GC TISSUE CONDITIONER can be used without the coating material for short term procedures. However for longer duration treatments it is recommended to apply the coating material to improve long-term elasticity, durability and stain resistance.

Q. Is there any temperature increase during setting?

A. There is only a minimal increase in temperature, which remains below body temperature so is not noticeable for patients.

Q. How do you re-apply GC TISSUE CONDITIONER if additional material is required?

A. Clean the denture under running water and dry with an air syringe. Mix and reapply GC TISSUE CONDITIONER onto the existing reline and coating material. Once set and margins finished a final layer of coating material can be applied.

Q. How long does GC TISSUE CONDITIONER last in the mouth?

A. The product is designed for temporary relining and our tests show its physical properties can be maintained for 4 weeks. In addition, clinical feedback on the material in place up to 6 months advises maintenance of a smooth surface, although with reduced elasticity.

Q. How well is elasticity maintained around the thin edges of the material?

A. The patented matrix ensures elasticity is well maintained providing the minimum thickness of material is $>1\text{mm}$. If the thickness is $<1\text{mm}$, the amount of plasticizer is insufficient to maintain elasticity for longer periods of time.

Q. Is there potential for irritation of soft tissue due to the leaching of monomer in this product?

A. The monomer formulated in this product is hypoallergenic hence less potential for irritation can be expected.

Q. Are endocrine-disrupting chemicals included in GC TISSUE CONDITIONER?

A. No endocrine-disrupting chemicals are included in this product (eg. Phthalates).

Q. What kind of denture cleaner can be used?

- A. Denture cleaners containing an active enzyme or an effervescent agent may cause degradation of the material therefore it is recommended to clean the relined areas with fingers (no brush) under running water.

Q. What are the main constituents of GC TISSUE CONDITIONER? Does this product contain MMA or EMA?

- A. GC TISSUE CONDITIONER does NOT contain MMA or EMA but a multi-functional methacrylate monomer. The multi-functional monomers are cross-linked with each other and form a fine three-dimensional network. This network significantly reduces elution of alcohol from the material after setting. This minimises loss of elasticity and greatly reduces surface roughness developing in the material.

Q. Is there any research evidence supporting the superiority of this product?

- A. Yes. A comparison of products after 1 month clinical use was published in Dental Cadmos November 2009. *“Clinical considerations about materials used for surgical prosthesis relining”*.

The authors concluded; *“Although all materials showed a clinical efficacy in the short term, GC TISSUE CONDITIONER showed better aesthetics, easier preparation procedure and better long term stability.”*



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GC TISSUE CONDITIONER 1-1PKG

Kit contains:

- 90g Powder, shades White or Live Pink
- 90g Liquid (101ml)
- 12g Coating Agent (15ml)
- Brush no. 7
- Rubber cup
- Plastic spatula
- Powder measure
- Liquid syringe



GC TISSUE CONDITIONER Refills

- 90g Powder Live Pink
- 90g Powder White
- 90g Liquid (101ml)
- 12g Coating Agent (15ml)



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