

Natural beauty restored.



GC

initial
LiSi Press

Lithium Disilicate
Redefined



*Make your patient's
smile last with
GC Initial[®] LiSi Press*

Discover GC Initial[®] LiSi Press, the ceramic system with the beauty & strength dentists demand without being low in value.

Lithium disilicate is a glass ceramic with proven clinical success, and is known for its excellent combination of strength and aesthetics. GC has now further optimized these qualities thanks to our proprietary innovative fabrication technology used in **GC Initial[®] LiSi Press**, a **high-strength lithium disilicate ceramic material with HDM (High Density Micronization) technology**.

GC has over 15 years of experience with dental ceramics, with its already proven GC Initial[®] ceramic line that is well-known among dental technicians worldwide.



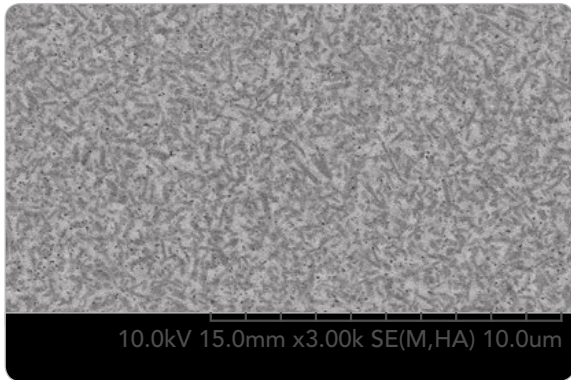
Courtesy of Bill Marais, RDT

The first lithium disilicate ceramic with HDM technology

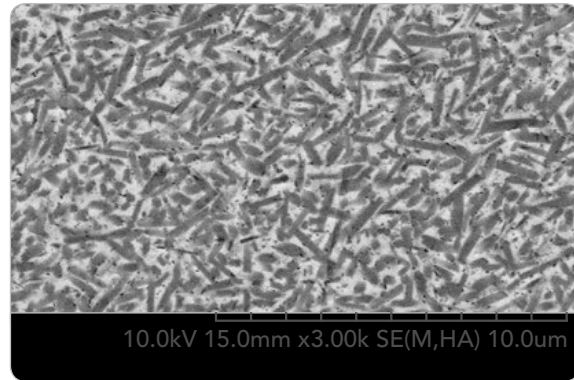
GC Initial® LiSi Press is the first lithium disilicate ceramic ingot with High Density Micronization (HDM), a technology unique to GC that provides exceptional physical properties and the most natural, life-like aesthetics. HDM uses equally dispersed lithium disilicate micro-crystals to fill the entire glass matrix rather than using traditional larger size crystals that do not take full advantage of the matrix structure. The result is the ultimate combination of strength and aesthetics, making GC Initial® LiSi Press perfectly suitable for all types of restorations through all levels of transparency. Most importantly, HDM technology helps ensure the product remains extremely stable, strong and aesthetic for the longevity of your patients smile.



High Density Micronization



GC Initial® LiSi Press
HDM - High Density Micronization



Conventional lithium disilicate ceramic

The next generation Lithium Disilicate

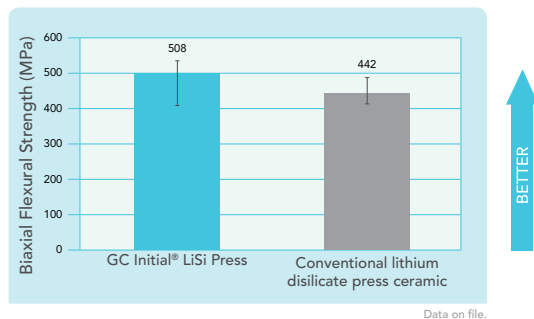
Exceptional strength thanks to HDM technology

Lithium disilicate micro-crystals are equally dispersed within the glass matrix for a homogeneous fill and a higher crystal density. This has resulted in high biaxial flexural strength of >500 MPa and excellent polishability. Moreover, the fine structure will contribute to minimize the wear of the antagonist teeth.

Physical properties

High flexural strength

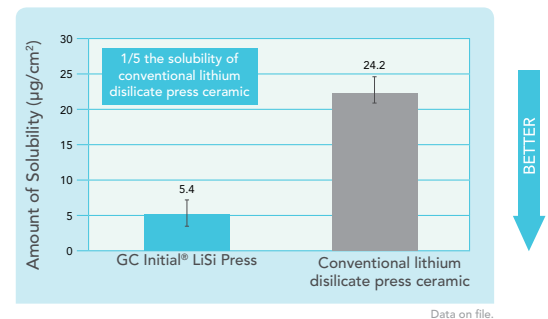
Biaxial flexural strength of press ceramics



Data on file.

Lower solubility

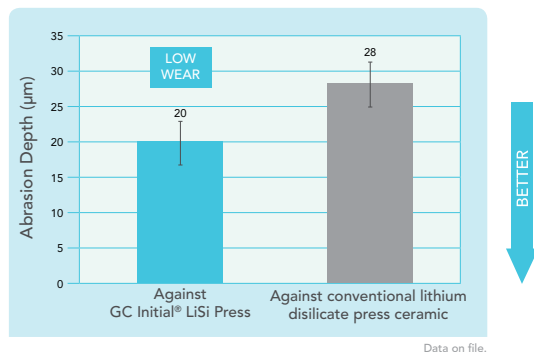
Amount of solubility for each sample under 4% vol. Acetic acid



Data on file.

Antagonist friendly

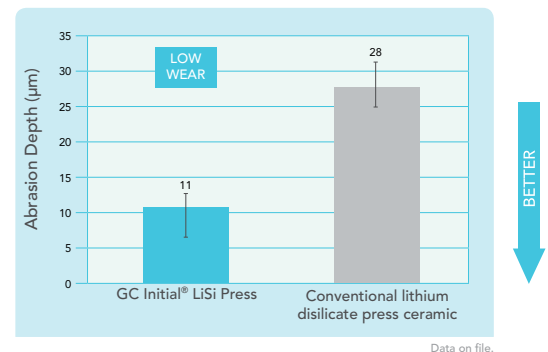
Abrasion depth of HAp antagonist after 400,000 cycles



Data on file.

Wear resistant

Abrasion depth of material after 400,000 cycles

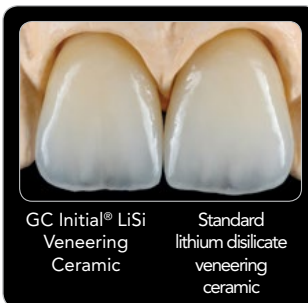


Data on file.

Bright & Natural Aesthetics

GC Initial® LiSi ceramic has vibrant and warm color tones with excellent fluorescence, similar to natural teeth, for very lifelike restorations under any light source, even in the evening. The color remains stable after multiple firings, making it possible to adapt the shade even after the first try-in. The stability of the material will also ensure long-term aesthetic results.

Natural Opalescence



Natural Fluorescence



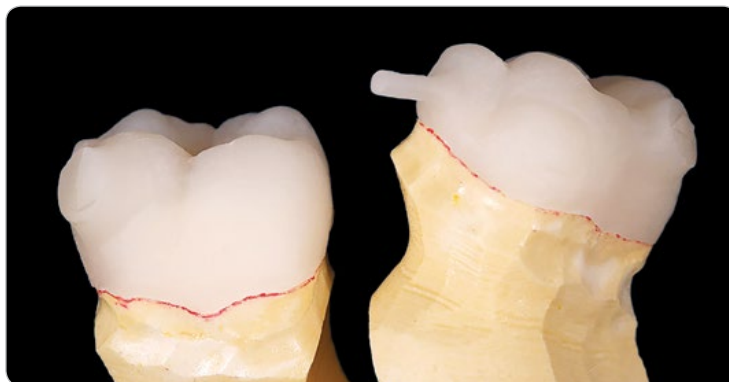
Courtesy MDT M. Brüs, Germany

Excellent marginal adaptation

Thanks to the homogeneous structure of the evenly dispersed micro crystals, GC Initial® LiSi ceramic is less prone to marginal chipping.

The excellent marginal adaptation contributes to clinical longevity and long-lasting aesthetics.

Excellent Marginal Adaptation



Restoration courtesy of Al Hodges, CDT



High versatility:

One ceramic for any of your Indications

The exceptional strength and amazing aesthetics make GC Initial® LiSi Press suitable for ultra-thin veneers as well as for single tooth restorations and small bridges, in both the anterior and posterior and on implants.

Thanks to the four translucencies of GC Initial® LiSi Press, beautiful results can be obtained, regardless of the thickness of the preparation and the color of the abutment.

From single to multiple restorations on discolored substrates

Single Anterior Restoration

Before



After



Courtesy CDT Pedro Brito, Portugal; Dentist Dr Rodrigo Cavaco, Portugal

The use of GC Initial® LiSi Press Medium Opacity is an excellent option in this case to mask the heavy tetracyclin discoloration.

Before

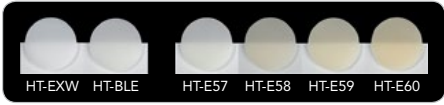


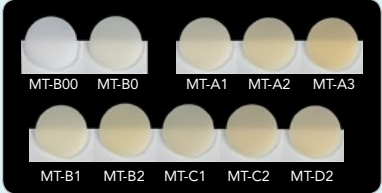




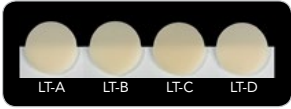


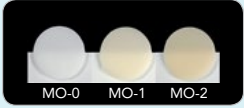




After



Courtesy MDT D. Watzki, France; Dentist Dr O. Etienne, France

Four translucencies to beautifully match any of your indications

	INDICATIONS			
	Veneers	Inlays/Onlays	Crowns	Bridge
<p>High Translucency (HT) – Enamel replacement</p> 				
<p>Medium Translucency (MT)</p> 				
<p>Low Translucency (LT)</p> 				
<p>Medium Opacity (MO)</p> 				

From anterior veneers to posterior crowns

Before



After



Courtesy CDT Jasper Dekesel, Belgium; Dentist Elisabeth De Maesschalck, Belgium

Before

















After



Courtesy CDT Simone Maffei, Italy; Dentist Dr Francesco Romagnoli, Italy

Clear & simple luting protocol

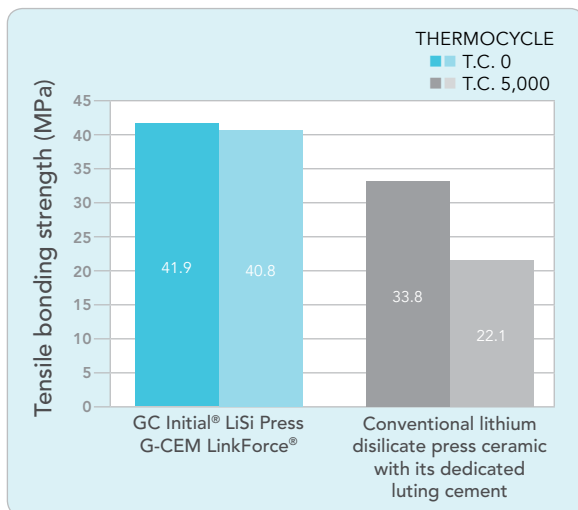
		INDICATIONS		
		Dual-cure adhesive resin G-CEM LinkForce®	Self adhesive resin G-CEM LinkAce®	Resin-modified Glass Ionomers GC FujiCEM® 2 or GC Fuji PLUS®
Veneers				
Inlays/ Onlays			 Retentive preparations	 Retentive preparations
Crowns				
Bridge				

Lithium disilicate restorations can be adhesively or conventionally luted, depending on the indication and practitioner's preference. For high aesthetic demands, the try-in paste of G-CEM LinkForce® will help you in choosing the best shade.

Strong & durable bond strength for any indication



BOND STRENGTH TO RESTORATION before and after thermocycling



Source: GC R&D data, Japan, 2016

G-CEM LinkForce®

- 009541 G-CEM LinkForce® System Kit
- 009548 G-CEM LinkForce® Try-In Paste, A2
- 009549 G-CEM LinkForce® Try-In Paste, Translucent
- 009550 G-CEM LinkForce® Try-In Paste, Opaque
- 009551 G-CEM LinkForce® Try-In Paste, Bleach
- 009552 G-Premio BOND™ DCA, Refill 3mL
- 009553 G-Multi PRIMER™, 5mL
- 010118 G-CEM LinkForce® Starter Kit, A2
- 010119 G-CEM LinkForce® Starter Kit, Translucent
- 010120 G-CEM LinkForce® Cement, Refill A2
- 010121 G-CEM LinkForce® Cement, Refill Translucent
- 010122 G-CEM LinkForce® Cement, Refill Opaque
- 010123 G-CEM LinkForce® Cement, Refill Bleach

GC Initial[®] LiSi System exceptionally strong & beautiful

- Ultra fine and dense structure thanks to HDM technology:
 - High strength for long-lasting restorations
 - Low abrasion of the antagonist
 - Extremely accurate marginal integrity
 - Excellent polishability for easy adjustments chairside
- Beautiful aesthetics: rich, warm and bright colors in four different translucencies, adapting to any substrate
- Extremely versatile, wide range of indications
- A natural smile, for all your patients, thanks to GC Initial[®] LiSi Family of Ceramic Materials



Tooth #9 courtesy of Lucas Lammott

Cases with GC Initial[®] LiSi Press



Courtesy of Al Hodges, CDT



Courtesy of Myung Joo Shin



Courtesy of Olivier Tric, MDT



Courtesy of Mike Small



Courtesy of Al Hodges, CDT



Courtesy of Lucas Lammott



Courtesy of Bill Marais, RDT



Courtesy of Bill Marais, RDT



Courtesy of Joshua Polansky



Courtesy of Luke Kahng, CDT



Courtesy of John McMillan

Why not start today?

There's a good chance your dental laboratory is already familiar with the many benefits of GC Initial® LiSi. They can create a beautiful and natural smile for your patients, with the GC Initial® LiSi family of ceramic materials. Do not hesitate to contact them or your GC representative for further information.



GC Initial® Family of Layering Ceramic & Lithium Disilicate Ingots



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