



# Create your world with **Initial** from **GC.**

The all-round ceramic system for every indication

## Pressable Ceramics

GC Initial PC • GC Initial LF



*initial*

[www.gcinitial.gceurope.com](http://www.gcinitial.gceurope.com)

The GC Initial System is a line of six specialised ceramics that can be used to create metal ceramic and full ceramic restorations for every indication using any fabrication process and framework. For more information on the complete GC Initial system please request our brochure.

Pressable ceramics have enjoyed increasing popularity over the years. The GC Initial system reflects this trend, by offering GC Initial PC and GC Initial LF, a complete and user-friendly collection of products that allow simple handling and the reproduction of natural-looking colours using the pressing technique.



**GC**



## Pressable Ceramics: GC Initial PC • GC Initial LF

### GC Initial PC

is ideal for the fabrication of veneers, inlays and onlays using the pressing technique.

- Natural opacity
- Optimally cross-matched coefficient of thermal expansion
- Firing temperature of 950°C
- Suitable for staining and layering
- Identical shade system for layering
- High fracture and thermal stability
- Easy processing and robust stability
- Combines with GC Initial LF for a complete full ceramic system

### GC Initial LF

is a low-fusing ceramic specifically adapted for ceramic-metal alloys within a CTE range of 13.8 to 14.9  $\times 10^{-6} K^{-1}$  (25°- 500°C), NPA, high- and reduced-content gold alloys, and galvano or palladium-based alloys (with a silver content < 20 %). Layer GC Initial LF with GC Initial PC for a complete and economical full ceramic system.

- Universal shade and layering system
- Synthetic ceramic with a firing temperature of 770°C
- Exactly cross-matched coefficients of thermal expansion
- High polishability
- Superior aesthetics with full ceramics



### A modular System

GC Initial is available as modular ceramic sets. Each set contains different components, by adding them together, you can create increasingly aesthetic restorations.

#### Module 1: Basic Set LF

Contains all the fundamental opaque ceramics, shade ceramics and liquids. Designed for basic, standard build-up and to meet the 'standard' requirements of the Vitapan\* Classical shade guide.

#### Module 2: Basic Plus Set LF

Contains additional shades and accessories such as Opaque Modifiers, Opaqus Dentin and shoulder ceramics. Add to the Basic Set to lift your restorations to a higher aesthetic level.

#### Module 3: Advanced Set LF

Completes the GC Initial system by adding the remaining shades and accessories to either the Basic or Basic Plus Set, so enabling restorations with the most advanced aesthetics.

### Starter Kits

Consists of small amounts of the key ceramics, shade ceramics and liquids to test on a limited number of restorations.

#### LF Entrance Kit

(1 colour set A3)

#### PC Starter Set

#### GC Initial INvivo/INsitu

MC, LF, PC

Effect materials for internal-external use

### Accessories

#### GC MultiPressVest

Carbon-free phosphate bonded investment for pressable ceramics such as the GC Initial PC pressable system and the GC Initial IQ – One Body, Press-over-Metal/Zircon system.

### Technical Specifications:

Property	GC Initial PC	GC Initial LF
Dentin firing (°C)	950	770
CTE (25-500°C; 10 <sup>-6</sup> K <sup>-1</sup> )	13.0	2nd/4th firing 11.6/11.8
Glass transition temperature (°C)	580	510
Solubility (µg/cm <sup>3</sup> )	25	15
Density (g/cm <sup>3</sup> )	n/a	2.48
Flexural strength (Mpa)	115	80
Bond strength (Mpa)	n/a	50
Mean particle size (µm; D 50%)	25.0	21.2

GC Initial PC and GC Initial LF follow EN ISO 9693:2000

(The stated technical/physical values refer to the results of internal tests.)

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