



Master all your challenges

GC

initial[®]

The all-round ceramic system
for every indication

The all-around ceramic system for every indication

GC Initial® consists of multiple ceramics in one integrated product and color line, which can create metal-ceramic restorations all the way to full ceramic. You no longer have to spend valuable time learning to use a myriad of multiple ceramics from an array of manufactures to create the variety of restorations you may need to make.



Specifically Adapted

Each GC Initial® ceramic is adapted to meet the needs of its particular fabrication process and framework, such as its coefficient of thermal expansion (CTE). This greatly reduces stress cracks and fractures, while ensuring a strong bond and retention.

GC Initial® MC

Highly aesthetic feldspar-based ceramic for metal alloys with a normal expanding CTE.

GC Initial® Zr-FS

Ideal for zirconia substructures.

GC Initial® LiSi

Specialized feldspar-based veneering ceramic for lithium disilicate.

**GC Initial® IQ Lustre Pastes NF &
GC Initial® IQ Lustre Pastes NF Gum Shades**

Unique 3-dimensional paintable ceramic compatible with all conventional ceramics (CTE between 6.9 and 13.3).

GC Initial® Ti

For creating restorations on titanium which are highly aesthetic and biocompatible.

GC Initial® LF

Low firing ceramic which may also be used to correct restorations made with GC Initial® MC.

GC Initial® LiSi Press

A high strength lithium disilicate pressable ingot with HDM Technology.

**GC Initial® IQ**

One body layering or press ceramic that allows full concentration on function and form. The aesthetics are added in the final stage by means of the 3D effect GC Initial® Lustre Pastes NF.

GC Initial® Zirconia Disk

ST - standard translucency, HT - high translucency, and UHT - ultra high translucency zirconia disks.

GC Initial® LRF Block

Leucite-Reinforced Feldspar CAD/CAM ceramic block.

GC Initial® Spectrum Stain

A universal stain and glaze system for the characterization of ceramic materials.

One color line

for harmonized shades across the system

In Perfect Harmony

In addition to each GC Initial® ceramic being specifically adapted, all the shades across the entire system and their shade selection have been carefully harmonized. This means the aesthetics of each restoration are also in perfect harmony, whatever the type created or the process used.

Simple to Cross-Match

Harmonized shades make aesthetically cross-matched restorations ideal for clinical situations which require several different frame structures. With GC Initial®, there is no need to modify your technique as is so often the case if using ceramics from a variety of manufacturers.

Lifelike Layering Shades

To obtain a superb color match of natural tooth structures, even in the thinnest of layers, an array of unique shades have been developed for GC Initial® with particularly deep chroma, high fluorescence, opalescence and/or high transparency.

Stain and Effect Shades

To add individual touches of accents and character with GC Initial®, a variety of unique shades have been developed for internal layering and external staining.





Courtesy of Bill Marais, RDT



Courtesy of Olivier Tric, MDT



Courtesy of Al Hodges, CDT



Courtesy of Joshua Polansky



Courtesy of Mitch Hurst, CDT



Courtesy of Olivier Tric, MDT



Courtesy of Mitch Hurst, CDT



Courtesy of Myung Joo Shin



Courtesy of Myung Joo Shin



Courtesy of Miles Cone, MS, FACP, CDT
and Lucas Lammott

Layering Shades

To Match Enamel

Enamel/Enamel Intensive

Graduated enamel powders to match natural incisal areas. Enamel intensive can be mixed with enamel or used directly.

Enamel Opclusal

Opacious enamel to create lifelike occlusal surfaces in the presence of any slightly opacious or milky white enamel spots.

Enamel Opal

Enamel colors with a high level of opalescence in conjunction with high translucency.

To Match Dentin

Clear Fluorescence

Unique to GC Initial® – a highly transparent shade to match the GC Initial® fine line of 'clear material' in a natural tooth. Offers lifelike transmission and reflection of light as well as deep, realistic color in a very thin layer (max 0.2mm).

Dentin

Provides lifelike chroma to the dentin body and excellent masking capabilities even in very thin layers.



INside Primary Dentin

Unique to GC Initial® - approximal, cervical and oral shades which offer a very deep chroma and high fluorescence in very thin layers. Also for mamelons and incisal effects.

Opaqus Dentin/Opaqus Dentin Modifiers

Intensifies chroma and gives lifelike shades in very thin layers. Reduces dark, shadow areas and transmitted intra-oral light.

To Mask Metal Copings

Opaque/Opaque Modifiers

Excellent masking ability especially in very thin layers. Shades are color matched to suit their respective substructures making it easier to create perfect aesthetics. Available in a powder for GC Initial® LF and GC Initial® Ti and a paste or powder for GC Initial® MC.

For Ceramic Shoulders/Porcelain Butt Margins

Shoulder Transpa

Transparent, highly fluorescent shades.

Shoulder Opaque

Opacious, highly fluorescent shades.

For Extra Translucency

Translucent/Translucent Modifiers

Available in two shades: Neutral and Opal for extra opalescence. Translucent Modifiers can be mixed with Translucent or used directly.

Cervical Translucent

Very translucent, highly fluorescent, deep color shades to add lifelike depth to the cervical third. Can also be used in other parts of the restoration.



Courtesy
of Michael Brüsich, MDT

One build-up procedure for standard or multi-chromatic layering

Uniformly Created

Since all GC Initial® shades are harmonized across the system, you only need to learn one simple build-up procedure for either standard or multi-chromatic techniques, whether creating anterior or posterior restorations. As a result, there is no need to adjust your procedure when creating restorations for different indications.

Natural Build-Up

As the special harmonized shades of GC Initial® offer a superb shade match, even in very thin layers, the layers of the restoration can be constructed to the structural layers in a natural tooth. Not only does this help simplify the build-up procedure but it also contributes to the lifelike aesthetics of the final result.



Standard Technique

GC Initial[®] MC / GC Initial[®] LF / GC Initial[®] Ti



First opaque layer (as a 'wash' bake), and second opaque layer (fire and add Opaque Modifiers if required)



Inside Primary Dentin layer on the cervical



Opagus Dentin layer on the incisal border



Dentin layer



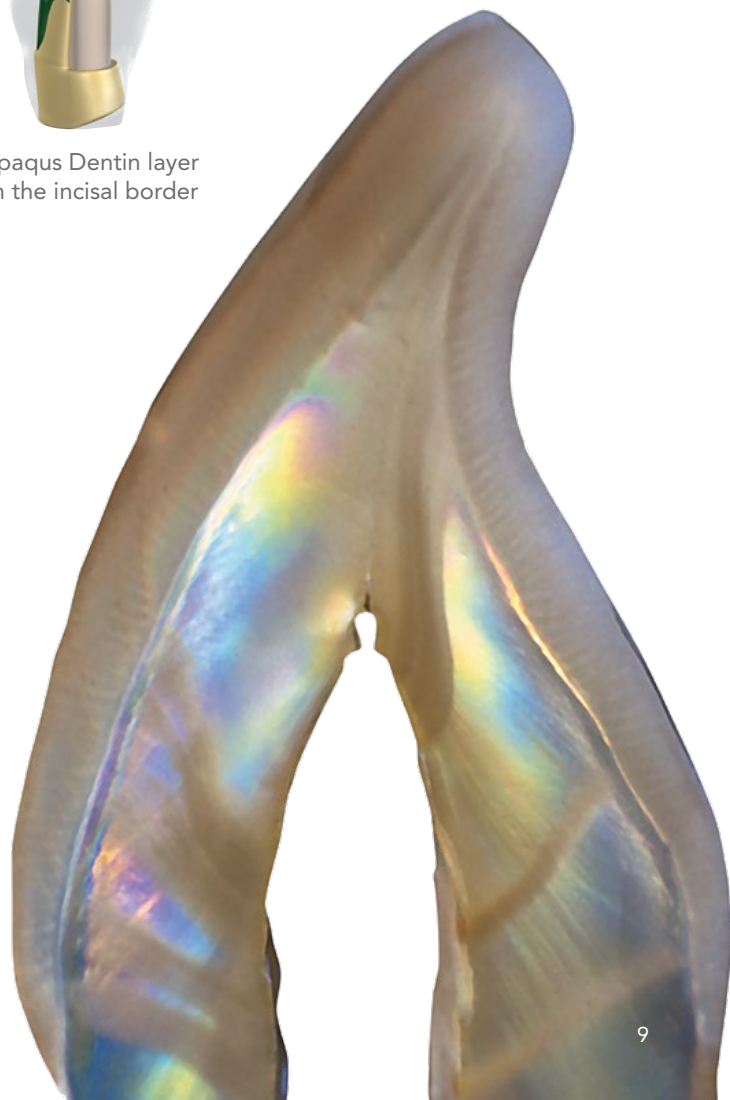
Clear Fluorescence layer



Enamel layer up to the final shape (and/or Enamel Opal/Translucent/Translucent Modifiers)



End result



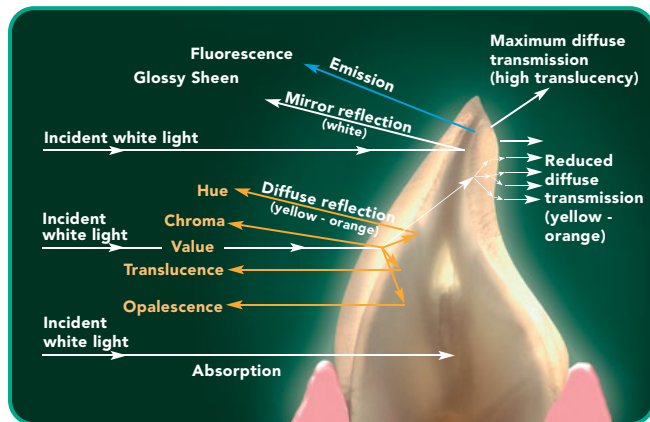
One quality standard for the beauty and function of nature

Beautifully Natural

GC Initial[®] ceramic is based on the structural form of nature and made to the highest quality. This means the optical properties of the restoration, such as diffused reflection, fluorescence, opalescence and translucency, mimic those of a natural tooth.

Its surface can also be easily polished enabling a realistic mirror reflection and a natural glossy sheen. Whatever the indication or fabrication process, a beautiful, natural-looking restoration can be made simply.

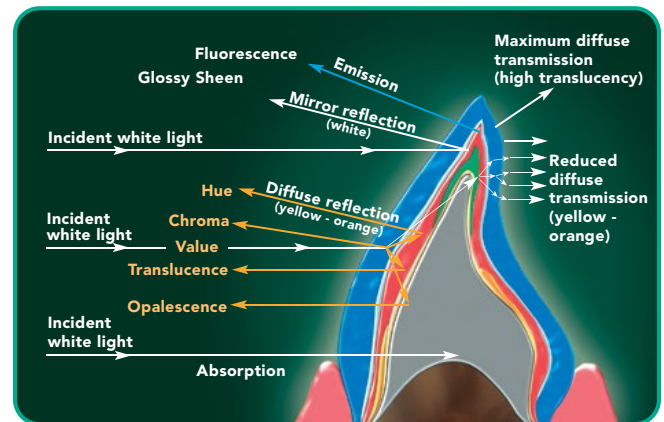
Light handling properties of a natural tooth



Naturally Functional

The composition and quality of GC Initial[®] produces a ceramic which is simple to handle and extremely stable. It is easy to contour and very technique tolerant. Ceramic color and optical properties will not change even after several firings. It has very low shrinkage, saving time, and offers a high firing stability. The structure of GC Initial[®] ceramic also has excellent physical properties, so final restorations are exceedingly durable and fully functional.

Light handling properties of a GC Initial[®] restoration



One contact point for product training, education, and support

Simplify Your Business

GC Initial® comes from one manufacturer, GC, one of the world's largest and most respected manufacturers of high quality, advanced dental materials, and so there is only one point-of-contact for all training and product support.

In the laboratory arena, you may already know GC America for our stones and investment products, and the GRADIA® composite system.



GC America's new brand-new state-of-the-art education center and lecture hall.

www.gcamerica.com/courses

One or Every Ceramic for Your Lab Today and in the Future

The perfect choice

With the GC Initial® system, you can choose any number of ceramics in the line. Begin with one or a few ceramics and you can move on to the others at any time without having to learn new working methods. Given its flexibility, GC Initial® is the perfect choice for the laboratories of today, for all types of restorations, including metal-ceramic and full-ceramic, with the tools they need.

It is also the perfect choice for the laboratories of tomorrow, assisting you in growing your business to what you want it to become. Start creating your world with GC Initial®. Contact your local GC America representative and discover the opportunities.

One modular system for creating basic to advanced aesthetics

Create It Your Way

To simplify using GC Initial® even further, the system is available in modular ceramic sets so you can choose the aesthetic standard you wish. Each set contains different components; by adding them together, you can create increasingly aesthetic restorations.

Begin with Module 1, the Basic Set, and add further modules at any time as required, or combine modules for maximum aesthetic potential from the start.



MODULE 1 **Basic Set**

Contains all the fundamental opaque ceramics, shade ceramics and liquids. Designed for basic, standard build-up and to meet the 'standard' requirements of the VITA®† Classical shade guide. Available for:

- GC Initial® MC
- GC Initial® LF
- GC Initial® Ti
- GC Initial® Zr-FS
- GC Initial® LiSi



MODULE 2 **Basic Plus Set**

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

Available for:

- GC Initial® MC
- GC Initial® LF
- GC Initial® Ti



MODULE 3 **Advanced Set**

Complete the GC Initial® system by adding the remaining shades and accessories to either the Basic or Basic Plus Set to achieve the most advanced aesthetics. Available for:

- GC Initial® MC
- GC Initial® LF
- GC Initial® Ti
- GC Initial® Zr-FS
- GC Initial® LiSi

Available Separately



GC Initial® Gum Shades

Available in:

GC Initial® Gum Shades Set MC,
GC Initial® Gum Shades Set Zr-FS.



GC Initial® Lustre Pastes NF

A unique three dimensional paintable ceramic compatible with all conventional ceramics (CTE – between 6.9 and 13.3). Also available in Gum Shades.



GC Initial® Spectrum Stain

A universal stain and glaze system for the characterization of ceramic materials.



GC Initial® Bleach Shades

Available in:

GC Initial® Bleach Set MC, GC Initial® Bleach Set LF, GC Initial® Bleach Set Ti, GC Initial® Bleach Set Zr-FS.



GC Initial® Entrance Kits

Consists of small quantities of the key ceramics, shade ceramics and liquids to test on a limited number of restorations. Available in GC® Initial Zr-FS, MC, Ti, LF.



GC Initial®

MC Paste Opaque Set

Only for GC Initial® MC.

*Also available MC Powder Opaque set.



GC Initial® MC Chroma Shade Translucent (CST)

Consists of unique powders that facilitate corrections related to the firing process. This product matches color and enhances the depth of translucency, making it useful for dentist and dental technicians.



GC Initial® IQ One Body Concept

Press-over-Metal (POM) & Press-over-Zircon (POZ).



GC Initial® IQ One Body Concept

Layer-over-Metal (LOM) & Layer-over-Zircon (LOZ).

Metal Ceramics

GC Initial[®] LF / GC Initial[®] MC / GC Initial[®] Ti

GC Initial[®] LF

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%). It is also ideal for correcting restorations made with GC Initial[®] MC.

- Synthetic ceramic with a firing temperature of 770°C
- Excellent low-shrinkage properties
- Reduced number of hard leucite crystals
- Very stable, even after repeated firings
- Superb polishability
- Amazing aesthetics for both metal-ceramic and full-ceramic restorations
- Exactly cross-matched coefficient of thermal expansion



Courtesy of Al Hodges, CDT



Courtesy of Michael Brusch, MDT

GC Initial® MC

GC Initial® MC is a metal-ceramic specifically adapted for all conventional alloy types within a CTE range of 13.8 to 14.9 x10-6K-1 (25-500°C), irrespective of whether they contain silver, have a reduced gold content or are palladium-based, as well as veneering NPA and galvano crowns.

- Feldspathic ceramic with a firing temperature below 900°C
- Specifically matched coefficients of thermal expansion
- Excellent physical and optical properties
- Extremely low shrinkage properties
- Harmonized shades for superb color matching and natural lifelike aesthetics
- Suitable for the sintering technology in combination with GC Initial® MC/LF Connector Paste

GC Initial® Ti

GC Initial® Ti is a specifically adapted ceramic for titanium frameworks. It is ideal for creating restorations that are biocompatible and highly aesthetic where full ceramic cannot be applied.

- Exactly cross-matched coefficient of thermal expansion and optimal bonding
- Firing temperature of 780°C
- Harmonized shades for superb color matching and natural lifelike aesthetics

TECHNICAL SPECIFICATIONS:

PROPERTY	GC Initial® MC	GC Initial® LF	GC Initial® Ti
Dentin firing (°C)	890	770	780
CTE (25-500°C; 10-6xK-1)	2nd firing 13.1	2nd firing 11.6	2nd firing 8.6
	4th firing 13.3	4th firing 11.8	4th firing 8.6
Glass transition temperature (°C)	575	510	575
Solubility (µg/cm2)	25	15	11
Density (g/cm 2)	2.52	2.48	2.45
Flexural strength (MPa)	84	80	70
Mean particle size (µm; D 50%)	25	21.2	22.2

GC Initial® MC, GC Initial LF and GC Initial Ti follow EN ISO 9693:2000 (The stated technical/physical values refer to the results of internal tests.)

Full Ceramics

GC Initial[®] LiSi / GC Initial[®] Zr



GC Initial[®] LiSi

GC Initial[®] LiSi a specialized veneering ceramic designed for lithium disilicate frameworks. With these types of frameworks gaining popularity, GC America now offers a material for highly aesthetic and durable restorations for long-term patient satisfaction. Thanks to the exact cross-matched coefficients of thermal expansion (CTE), its low firing temperature and high stability during multiple firings, GC Initial[®] LiSi ensures you safe and predictable processing of lithium disilicate frameworks.

- Quick, aesthetic and economical results
- Simple handling and short learning curve
- Superior natural aesthetics, specially designed and adapted to the light dynamics of lithium disilicate frameworks
- Low firing temperature and exactly cross-matched coefficients of thermal expansion with high stability, even after multiple firings
- Comprehensive shade and layering system



Courtesy of Myung Joo Shin

GC Initial® Zr

GC Initial® Zr is specifically adapted for use with high strength zirconium frameworks, making them ideal for the fabrication of delicate substructures such as bridges.

- Exactly cross-matched coefficients of thermal expansion
- Amazing aesthetics on high tensile strength zirconium frameworks
- Very good wettability
- Firing temperature of 810°C and short cooling times
- Excellent adhesion and high biocompatibility
- Conventional fixation in the patient's mouth
- Natural-looking aesthetics



Courtesy of Joshua Polansky

TECHNICAL SPECIFICATIONS:

PROPERTY	GC Initial® LiSi	GC Initial® Zr
Dentin firing (°C)	760	810
CTE (25-500°C;10-6xK-1)	2nd firing 9.3 4th firing 9.3	2nd firing 9.4 4th firing 9.4
Glass transition temperature (°C)	520	550
Solubility (µg/cm ²)	16	12
Density (µg/cm ²)	2.4	2.43
Flexural strength (MPa)	84	90
Mean particle size (µm; D 50%)	N/S	21.5

GC Initial LiSi and GC Initial Zr follow EN ISO 9693:2000
(The stated technical/physical values refer to the results of internal tests.)

Pressed Ceramics

GC Initial[®] LiSi Press



GC Initial[®] LiSi Press

GC Initial[®] LiSi Press is a high-strength lithium disilicate ingot with proprietary HDM (High Density Micronization) technology that equally disperses micro-crystals—rather than traditional larger-size crystals—to fill the entire glass matrix, resulting in excellent physical properties and aesthetics. It has a biaxial flexural strength of > 500MPa* and virtually no reaction layer when divested. The material is wear resistant, stable after multiple firings and optimized for use with GC Initial[®] LiSi veneering ceramic, GC Initial[®] IQ Lustre Pastes NF and GC Initial[®] Spectrum Stains.

- Wear resistant
- Material is stable after multiple firings
- Virtually no reaction layer when divested
- Excellent physical properties and aesthetics: rich, warm, and bright colors (not low in value)
- Biaxial flexural strength of > 500 MPa* with HDM Technology

*Data on file.



Courtesy of Mitch Hurst, CDT



Courtesy of Bill Marais, RDT



Bleach Shades

GC Initial® Bleach Set MC / GC Initial® Bleach Set LF
GC Initial® Bleach Set Ti / GC Initial® Bleach Set Zr-FS



Natural enamel reacts individually to bleaching therapies so a translucency assessment should be made six weeks after the final bleaching to ensure color stability. GC Initial® Bleach Shades have been specifically developed so they can be used with the GC Initial® Ceramic Systems. It should be noted that when it comes to color-matched restorations, white opaque/opaque dentin should only be applied when minimal layering thickness is available to respect the original tooth chroma.

To Match Dentin

Bleach Dentin

Three shades that vary in their value/chroma level. Use for layering instead of standard dentin.

GC Initial® BLD-1: bleach dentin light (more white than the Vita®† Classical A1 dentin shade)

GC Initial® BLD-2: bleach dentin white (more white than the Vita®† Classical B1 dentin shade)

GC Initial® BLD-3: bleach dentin Xwhite, extreme white

Fluorescent Opaqus Dentin

GC Initial® Fluo dentin-91 (FD-91) is a white, high fluorescent opaqus dentin. Use to cover the refraction of light from substructures/layering build-up. It is appropriate for bright white mamelon structures.

To Match Enamel

GC Initial® BL-E: standard enamel shade. Light white base with an average translucency level.

GC Initial® Enamel Opal-1 (EOP-1): a very bright, strongly opalescent enamel shade with a slight cold-white effect. Frequently occurring color effect with repeated and/or very strong bleaching therapies.

Available Separately

Recommended Complementary Powders from the GC Initial® Range

For colored individualization, Bleach Dentin, BL-E, EOP-1 and FD-91 can be mixed with all powders from the respective GC Initial® assortment.

They are available in all GC Initial® ceramic systems as refills or as part of modular sets. All bleach colors are available in 20g refill bottles.



GC Initial® MC/LF/Ti	GC Initial® Zr-FS
TO MASK COPINGS	AS A BASE FOR COPINGS
Powder Opaque OM-1 Masks metal copings and can be used pure or in combination with standard opaquer	Zr-FS Frame Modifier BL-FM A base for zirconium oxide frame materials. It has a high level of fluorescence and a high wettability for easy application

Colors

- ODM-1** white opaque dentin
- EOP-2** milky white opal enamel
- EOP-3** light bluish opal enamel
- EOP-4** light gray opal enamel
- TO** opalescent translucent ceramic
- CLF** fluorescent translucent ceramic
- EO-15/16** yellowish white opaque enamel
- ST-30** white, translucent shoulder material
- SO-37** white, opaque shoulder material

Gum Shades

GC Initial® Gum Shades Set MC

GC Initial® Gum Set Zr-FS

Since the demand for aesthetic implant-supported superstructures has been growing continuously, there has been a growing desire among dental technicians for soft tissue zones made of ceramic that can be individually characterized. To enable technicians to create a lifelike transition from the crown margin to the gingiva, the GC Initial® ceramic system consists of three user-friendly GC Initial® Gum Shades Sets. The new gingival-colored materials are specially suited to indications in the areas of implant superstructures, crown and bridgework techniques. At the same time they follow the proven GC Initial® concept: "One shade system – one layering technique."

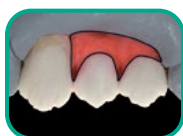
TECHNICAL INSTRUCTIONS - Additional set for individual gum shading



GO-U

Gum Opaque

This is applied and fired together with the tooth-colored opaque after the wash bake.



GM-24

Base Dark

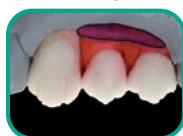
This base gum mass is applied after layering the "tooth-colored" ceramics. The basic mass GM-24 is applied as the bottom, first layer.



GM-36

Intensive Red

This powder intensifies the areas between the tooth roots. The area of application is rather selective.



GM-34

Intensive Violet

GM-34 is suitable for extended restorations in the mucogingival fold. It can also be used with dark skin types.



GM-23

Base Light

The entire gum layering is covered with GM-23. It is a basic powder and essentially regulates the final color.



GM-35

Intensive Cream

Then lighter areas of the attached gingiva are reconstructed on the surface. GM-35 can also be applied separately as a correction firing.



End Result

The individual steps can be divided between different firings. Firing schedule analogue to the standard layering technique (visit gcamerica.com for Technical Manual).



Courtesy of Bill Marais, RDT



TECHNICAL SPECIFICATIONS:

PROPERTY	GC Initial MC	GC Initial Zr-FS
Dentin firing (°C)	890	810
CTE (25-500°C; 10-6xK-1)	2nd firing 13.1 4th firing 13.3	2nd firing 9.4 4th firing 9.4
Glass transition temperature (°C)	575	550
Solubility (µg/cm ²)	25	12
Density (g/cm ³)	2.52	2.43
Flexural strength (MPa)	84	90
Bond strength (MPa)	50	-
Mean particle size (µm; D 50%)	25	21.5

GC Initial® MC and GC Initial® Zr-FS follow EN ISO 9693:2000
(The stated technical/physical values refer to the results of internal tests.)

One Body Ceramic

One Body, Layering-Over-Metal

One Body, Layering-Over-Zircon

GC Initial® IQ - One Body - Layering is a concept that enables dental technicians to achieve simple and economical reproduction of standard Vita® shades by application of a single layer. This product is a true one powder-build ceramic without compromising aesthetics. Through the development of the GC Initial® IQ- One Body-Layering Concept, GC can now offer a compact ceramic set for the fast and easy reproduction of the standard Vita® shades. This new system enables technicians to reproduce the same aesthetic results with fewer materials. The secret is: 4 new Body materials, which can be combined with the proven three-dimensional GC Initial® IQ Lustre Pastes NF.

- Crown build-up with only one powder allows full attention to shape and function
- Fast reproduction of standard Vita® shades, following the “paint by numbers” with GC Initial® IQ Lustre Pastes NF
- Total compatibility with the existing MC/ZR Initial range
- Saves time and increases productivity by using one powder
- Can be used as an excellent starter module for new ceramists



Full contour application
of a body powder



Result after one firing.



Final restoration.

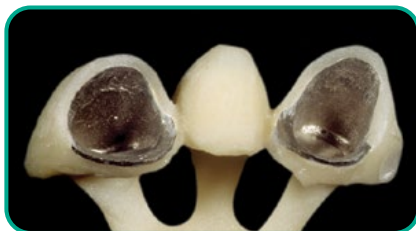
One Body Press Over

One Body, Press-Over-Metal

One Body, Press-Over-Zircon

GC Initial® IQ, One Body, Press-over-Metal and Press-over-Zircon systems are feldspar based pressable ceramics that demonstrate amazing lifelike aesthetics in no time! The new technologies of preblended ingots and the GC Initial® IQ 3-dimensional Lustre Pastes NF add up to an internal light dynamic, which exhibits vitality and natural lustre. Both systems are ideally suited for the fully anatomical contour pressing, although the cut-back technique is perfectly possible. This system is extremely easy to learn and easy to use to shape and function.

- Consistency and predictability in quality of work
- Easy to learn and even easier to use
- All ceramic marginal integrity – just wax the margin and press!
- The unique preblended ingots offer repeatability in shades so less remakes are necessary



GC Initial® IQ – One Body, Press-over-Metal

is a feldspar based pressable ceramic system for conventional porcelain alloys (CTE/WAK range 13.8 to 14.9).



GC Initial® IQ – One Body, Press-over-Zircon

is a feldspar based ceramic that demonstrates outstanding lifelike aesthetics and merges both the pressable and CAD/CAM technologies.

Universal Stain & Glaze System

GC Initial® Spectrum Stain

GC Initial® Spectrum Stain is a universal stain and glaze system for the individualized staining and characterization of ceramic materials. This product is a powder stain available in a variety of 16 colors.

- Stains and glaze for external staining of ceramic materials and internal characterization of layering ceramics
- Perfectly compatible with almost all types of dental ceramics
- Due to its wide CTE range, only one set for all GC Initial® Systems is needed
- Adaptable consistency of stains and glaze can be adapted to the preferred consistency of the user





Courtesy of Lucas Lammott



Two consistencies, both preserving texture

Adapt to your preferred consistency by either using the Glaze Paste Liquid for a “gel type” mixture, or the Glaze Liquid for a “fine” mixture.



3-Dimensional Ceramic Paste System

GC Initial® IQ Lustre Pastes NF & GC Initial® IQ Lustre Pastes NF Gum Shades



GC Initial® IQ Lustre Pastes NF & GC Initial® IQ Lustre Pastes NF Gum Shades are 3-dimensional ceramic pastes developed to create color depth and lifelike translucency with a single paint on application. Thanks to the “New Formula” (NF), you can really bring your crowns and bridges, and tissue, to life with this dedicated Lustre Paste Set, an optimal match to both “low” and “high” CTE ceramics. The product is available in a ready to use consistency. The GC Initial® IQ Lustre Pastes NF are based on fine ceramic particles and can be applied in a thicker layer where they exhibit vitality and a very natural glaze to your restorations.



- With an optimal match to both “low” and “high” CTE range, they are compatible to almost all types of dental ceramic and zirconia
- They are based on fine ceramic particles, allowing a thicker application compared to conventional stains and glazes
- Due to the unique paste medium, it has a fine thixotropic property for easy and exact applications
- They are low fusing, ceramic pastes that do not wear like some stains, glazes, or surface protectants
- Just one dedicated kit for all different indications for the complete GC Initial® ceramic range



Courtesy of Przemek Seweryniak.

Ancillary Products



Enamel Opal Boosters

For GC Initial® MC, GC Initial® Zr-FS and GC Initial® LiSi product line.



GC Initial® Firing Foam

Use with all the GC Initial® porcelain systems to ensure a stabilization of objects during the ceramic firing cycles.



GC LiSi PressVest

A phosphate bonded investment for press ceramic techniques offering you an easier, faster and safer process. Hydrofluoric acid treatment and alumina blasting are no longer required for the removal of the reaction layer.



GC Initial® Connector Paste

For the sintering technique: a connector paste between the refractory die and GC Initial® MC or GC Initial® LF.



GC Initial® LRF Glaze Paste

A dedicated glaze for the GC Initial® LRF blocks suited to the special CTE of the ceramic.



GC Initial® Ti Bonder

Bonds the ceramic securely to the titanium frame.



GC Initial® LRF BLOCK

An innovative new leucite-reinforced feldspar ceramic block that offers the highest aesthetics of traditional feldspathic porcelain with added flexural strength by adding the perfect combination of leucite ceramic.



G-CERA® ORBIT VEST

A phosphate-bonded, refractory model material for the production of all-ceramic crowns, inlays, onlays and laminate veneers.



G-CEM LinkForce®

A dual cure adhesive resin cement for cementation of all types of indirect restorations.



GC FujiCEM® Evolve

A third-generation, resin modified glass ionomer luting cement.



GC Initial® Brush and GC Initial® Brush Set

Consists of premium quality and style porcelain brushes for layering GC Initial® porcelain. The Kolinsky Brush maintains control, resilience and is the ultimate Dental Technician's brush, with a comfortable-to-use soft grip handle.



G-CERA® CERAMIC PIN

High-strength ceramic pins. This product is ideally used with the refractory technique. It is strong, smooth and durable. G-CERA® CERAMIC PIN can be used for an extended number of firings with all refractory systems, which will not produce an oxide layer.



GC Initial® INMetalbond

A buffer that is used as an intermediate coat between the dental alloy and the metal ceramic. This product blocks escaping metal oxides and neutralizes the difference in the expansion coefficient. It is easy to apply with its "ready-to-use" paste.



GC Initial® Zirconia Disk

An extremely high-quality Zirconium (Zr) Disk. This product is Cold Isostatic Pressed (CIP) for optimized physical properties. There are three types to choose from: Standard Translucency (ST), High Translucency (HT) and Ultra High Translucency (UHT).

Please see website for product part numbers
or contact a GC Representative for additional information.



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