

Quick Start Guide

initial REVO MC

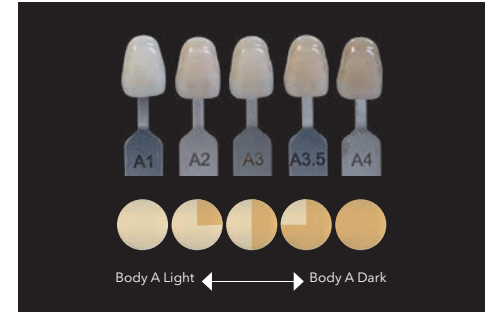


GC Initial REVO MC is a veneering ceramic with EN ISO 6872 for the ceramic veneering of precious and non-precious metal substructures with a coefficient of thermal expansion of the metal substructure in the range of $13,8 - 14,9 \cdot 10^{-6} \text{ K}^{-1}$ (25-500°C). Also suitable for the sintering technique to create inlays, onlays and veneers on refractory dies.

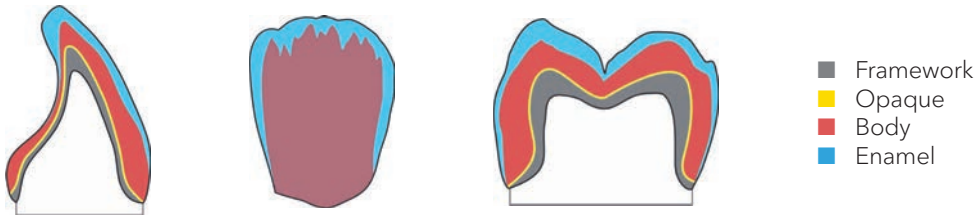
GC Initial REVO MC – Consistent shade reproduction



The Initial REVO MC concept delivers a streamlined, high precision system for the reproduction of all 16 A-D shades with minimal material complexity. Using only 3 Paste Opaques, 8 Body Powders, and 3 Enamels, the full A-D spectrum can be accurately matched through a controlled, layer-based approach.



Standardised build-up design



The standardized Body powder ratios ensure repeatable results and can be reliably measured using a ceramic measuring spoon, supporting consistent shade reproduction across cases.

Example of easy color mixing ratio of Body Light and Body Dark for the A shades.



GC Initial REVO MC – Colour Combination Chart – A-D shades



16 A-D Keyshades		A					B				C				D		
	Opaque	Light	Light	Medium	Medium	Dark	Light	Light	Medium	Dark	Light	Light	Medium	Dark	Light	Medium	Dark
	Body Light	100%	75%	50%	25%	0%	100%	75%	50%	0%	100%	75%	50%	0%	100%	50%	0%
	Body Dark	0%	25%	50%	75%	100%	0%	25%	50%	100%	0%	25%	50%	100%	0%	50%	100%
	Enamel	Light	Light	Medium	Medium	Dark	Light	Medium	Medium	Medium	Light	Medium	Medium	Dark	Medium	Medium	Medium

Optimal & individual usage		SHOULDER															
	Body Mixture	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
	Shoulder Universal	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
		EFFECT															
	Clear Fluorescent Opal Booster Translucent Neutral	For optimal and individual usage.															



BLEACH	
Opaque	Bleach
Body Bleach	100%
Enamel	Bleach

SHOULDER	
Body Bleach	50%
Shoulder Universal	50%

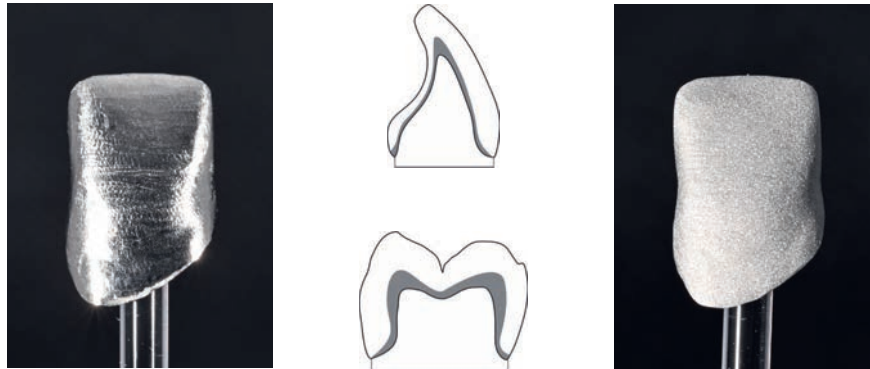
EFFECT	
Clear Fluorescent Opal Booster Translucent Neutral	For optimal and individual usage.

GUM	
Opaque	Gum Universal
Gum Light	Individual usage
Gum Dark	Individual usage

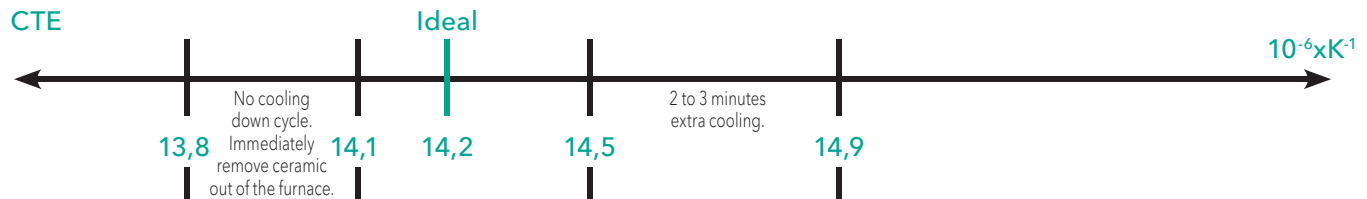
GC Initial REVO MC – Standard workflow

Preparing the substructure

Shape the framework to mirror the tooth's contour in a reduced form. This approach ensures consistent layer thickness and uniform support for the veneering ceramic. Follow the alloy manufacturer's instructions for fabricating and oxidizing the framework.



Make sure that the CTE of the alloy you use for casting or milling the substructure stays strictly within the range of $13,8 - 14,9 \cdot 10^{-6} \text{ K}^{-1}$ (25-500 °C).



GC Initial REVO MC – Standard workflow

Application of Initial INmetalbond (Optional step)



Extrude a small amount of INmetalbond paste and stir before using.
Apply the bonder in a thin layer but masking the framework completely.

Note:

Do not moisten dried paste with water.

To change the consistency of the INmetalbond paste, use the Initial Paste Opaque Thinner.

Only use it in very small quantities.

To avoid drying out, close the cap after usage.

INmetalbond after application.

Firing advice see p. 11.



The fired Bonder should have a yellowish, slightly shiny surface.

Note:

The colour of the fired bonder can vary depending on the composition of the alloys.

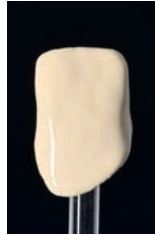
INmetalbond after firing.

GC Initial REVO MC – Standard workflow

Opaque application



Application of the Opaque.



Frame with applied Paste Opaque.

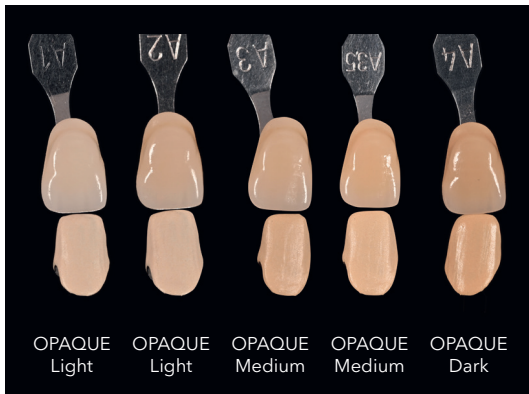


Paste Opaque surface after firing.

Note:

Do not moisten dried paste with water.
To change the consistency of the Initial REVO MC Paste Opaque, use the Initial Paste Opaque Thinner. Only use it in very small quantities.
To avoid drying out, close the cap after usage.
Firing advice see p. 11.

Maximum coverage with minimal complexity



With just 3 Paste Opaque shades, you can cover all 16 A-D shades. This means less inventory, simpler workflows and consistent results.

Opaque Light: Shade group 1&2
Opaque Medium: Shade group 3
Opaque Dark: Shade group 4

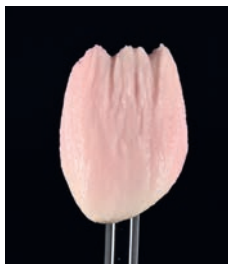
See color combination/mixing chart on p. 3.



GC Initial REVO MC – Standard workflow



Paste Opaque fired and ready for Body powder application.



Start with the Body powder core build-up and complete to the final shape with Body and Enamel.

See color combination/mixing chart on p. 3.

In the same way, add-ons can be done with your preferred Body and Enamel shades.



Note:

In order to compensate the firing shrinkage, the build-up needs to be slightly oversized.

Never mix Initial REVO MC products with ceramics from other suppliers or other GC Initial products that are not explicitly pointed out to be compatible with Initial REVO MC.

Firing advice see p. 11.

GC Initial REVO MC – Standard workflow

Stain & Glazing firing

For glazing and individualisations, only use the recommended GC Initial family of materials.

GC recommends:

1. Initial Spectrum Glaze and Glaze Liquid
or
2. Initial IQ, Lustre Pastes ONE V-Shades / NF GUM Shades

Note 1:

Spectrum Stains Glaze & Stains can only be mixed with the corresponding special liquids. Apply Glaze and Stains with a pointed brush.

Note 2:

The Initial Lustre Pastes ONE V-Shades / NF GUM Shades can be used for glazing as well as for individual characterisation.

Tip:

The degree of gloss is determined by the firing temperature and the holding time. Increasing the firing temperature / holding time will lead to a glossier surface! Lowering the temperature / holding time will create a more matte appearance.



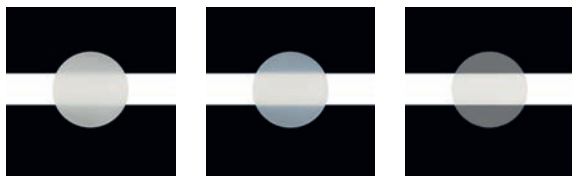
Firing advice see p. 11.



Restoration after glaze firing.

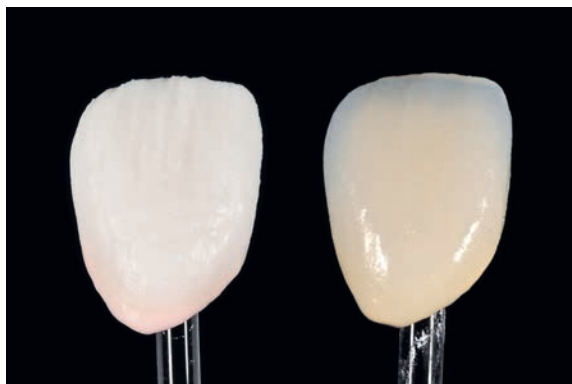
GC Initial REVO MC – Standard workflow

Optional steps



Individualization of the incisal zone

For individualization and completion of the restoration in the incisal area, there are a few special Initial REVO MC Effect powders that can be used.



Result after firing.

The Opal Booster is used as alternative to the Enamel on the buccal and approximal areas.

TN (Translucent Neutral)

In case certain areas require increased translucency, the Effect powder TN can be mixed with Body or Enamel powders.

Opal Booster

To increase the opalescence output of the restoration the Effect powder Opal Booster can be used as an alternative to the enamel or be mixed with the Enamel powders.

CL-F (Clear Fluorescence)

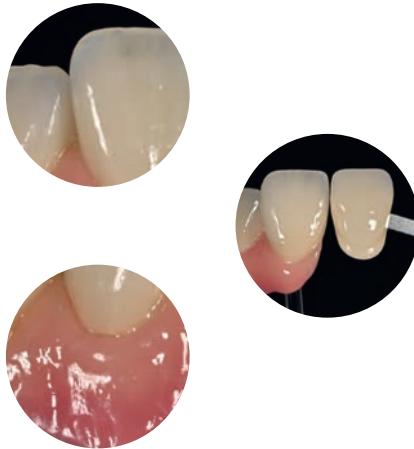
Optimal in use when space allows, to mimic the dentin-enamel junction. Apply a micro-layer between Body and Enamel.

GC Initial REVO MC – Optional individualization options

Initial IQ Lustre Pastes ONE/NF GUM and Initial Spectrum Stains provide reliable, user-friendly external characterization of Initial REVO MC veneered restorations, supporting predictable surface adjustments and optimized aesthetic outcomes.



Result after firing.
Note the beautiful lifelike incisal and gum transition area.



FIRING SCHEDULE GC INITIAL REVO MC

	Preh. Temp.	Drying Time	Raise of Temp.	Vacuum	Final Temp.	Holding Time
INmetalbond	550°C	6 min.	80°C/min.	+	980°C	1 min.
REVO_/P/O_1. Firing (wash)	550°C	6 min.	75°C/min.	+	980°C	1 min.
REVO_/P/O_2. Firing	550°C	6 min.	75°C/min.	+	950°C	1 min.
REVO_Shoulder	550°C	2 min.	75°C/min.	+	945°C	1 min.
REVO_BODY_1. Firing	550°C	6 min.	55°C/min.	+	915°C	1 min.
REVO_BODY_2. Firing	550°C	6 min.	55°C/min.	+	905°C	1 min.
Glaze Firing (without Stain/Glaze)	600°C	2 min.	55°C/min.	-	890-920°C*	1 min.
Glaze Firing (with Stain/Glaze)	550°C	2 min.	55°C/min.	+	870-910°C*	1 min.
Individualisation with Lustre Paste ONE/Lustre Paste NF GUM	480°C	2 min.	45°C/min.	+	810°C	1 min.

Note:

The given firing temperatures are recommendations only and may differ depending on the furnace. The temperatures may need be adjusted to the furnace you are using and according to the result after firing. Always make sure your furnace is correctly calibrated.

* The firing temperature is determined by the furnace used and the intended gloss level.

Tip:

How to perform corrections when the work is finalized?

You can mix the Initial REVO MC Body with Initial MC Correction powder – ratio 50/50 – firing temperature 845°C.



Want to Learn More About GC Initial™ REVO MC?

For additional technical information and supportive tools on GC Initial REVO MC, please visit <https://www.gc.dental/europe>.

On our website you will find:

- Short Instructions for Use
- Extended Technical Manual
- Scientific Articles
- Step-by-step Videos

Discover everything you need to work confidently and efficiently with our materials to enhance patient outcomes.

Related products for maximum efficiency



GC INmetalbond



GC Initial IQ Lustre Pastes ONE Set - V-Shades



GC Initial IQ Lustre Pastes NF Set - Gum Shades



GC Initial Spectrum Stains

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