

## **Quick Start Guide**

initial Zirconia Coloring Liquid









## Set the tone for efficiency - following the GC Initial IQ philosophy.

The **Initial Zirconia Coloring Liquid** system consists of 12 water-based colouring liquids following the 'IQ philosophy'.

It is optimised for use with the **Initial Zirconia Disk HT**, a universal white zirconia that offers an ideal balance between translucency, strength and aesthetic possibilities.

The Initial Zirconia Coloring Liquid system guarantees the replication of natural tooth colours and effects prior to sintering while simplifying inventory management. Simply apply the liquids onto the monolithic or anatomically reduced restoration after milling using the painting or dipping technique.

This framework in the right colour tone can then be finished using the **Initial IQ ONE SQIN** concept, ensuring a fast, aesthetically superior ceramic finish through painting and micro-layering.

### Paint it or dip it - Two ways to accomplish

#### Ultimate frame customisation

Precisely controlled and localised colour penetration. Reduces the need for post-sintering colour adjustments.



#### Deep, even colour distribution

Consistent and reproducible results in a fast and easy manner.









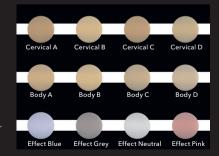


#### Reduced amount of liquids

- 4 cervical shades
- 4 body shades
- 4 effect shades

Easy diluting chart to achieve all 16 V-shades.

Provide a **subtle and diffuse undertone** – a perfect base for the IQ ONE SQIN technique.



#### 4 marking colours

Courtesy MDT Stefan Roozen, Austria

facilitate the visualisation during application.

## Painting versus immersion technique



- 1. Initial Zirconia Disk HT
- 2. Painting
- 3. After sintering
- 4. Lustre Pastes ONE
- 5. IQ SQIN



- 1. Initial Zirconia Disk HT
- 2. Immersing
- 3. After sintering
- 4. Lustre Pastes ONE
- 5. IQ SQIN











## Painting technique - individual & detailed procedure

### A. Preparation of the zirconia restorations after the milling process

Completely clean and dry the restoration.











### B. Application of the different liquids



Completely dip the brush into the colouring liquid. Wipe off the excess drop from the brush tip. Use brush size 3.





Stroke the brush over the crown area to be coloured as often as indicated in table page 5. Before each new brush stroke, dip the brush (again) in the liquid. Wipe off the excess liquid from the brush tip.

## Individual colouring procedure & chart using the painting technique

#### Posterior / Anterior: step by step to obtain all pre-coloured 16 V-Classic Shades

					Col	our A	nnlic	ation	over 1	he \*	hole	indica	ated a	rea							
					1				1		_	_	1	1		I	l				
Step	Liquid	A1	A2	A3	A3,5	A4	B1	B2	В3	B4	C1	C2	C3	C4	D2	D3	D4		Indicated	Area	1
	,,	A Body					B Body				C Body			D Body		ly	Buccal	Occlusal	Buccal	Occl	
1	Body	2	3	4	5	5	2	3	4	5	2	3	4	5	3	4	5		X		1
2	Body	1	2	3	4	4	1	2	3	4	1	2	3	4	2	3	4		A	J	1
3	Body	1	1	2	3	3	1	1	2	3	1	1	2	3	1	2	3		2.3	U	1
		A Cervical					B Cervical				C Cervical			D Cervical							
4	Cervical	1	2	2	3	4	1	2	2	3	1	2	2	3	2	2	3		4		1
								Eff	ect C	olour	s*										
5	Blue	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		San Australia		
6	Grey	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10.80		ant	

- For better visualization during application, Marking Liquids -Red, Blue, Yellow, Green can be used.
- Add 1 drop of the desired Marking Liquid to 10 ml Initial Zirconia Coloring Liquid to visualize the area to be coloured.

<sup>\*</sup> depending on the case

## Immersion technique - fast & easy procedure

### A. Preparation of the zirconia restorations after the milling process

Completely clean and dry the restoration - refer to page 4.



For a colour gradation within the restoration, we recommend immersing the incisal third of the restoration in the CL-N liquid for 2-4 seconds and immediately thereafter completely immersing it in the corresponding Body Coloring Liquid for 10 seconds (see dilution chart page 7 for V-shades).

Carefully dab away any excess liquid with a paper tissue - in particular the inner side of the restoration and the occlusal area. Alternative is to blow away the excess liquid using compressed air.















Alternative for immersion the CL-N is to use the brush technique and apply the CL-N at the incisal third.



The CL-N can be used to prevent the Body Coloring Liquid from appearing too dark by applying it on the bulky bridge elements (cf. pontic area) by applying 1-2 drops/brush stroke before the immersion in the Body Coloring Liquid.

## Immersion technique - Colour reference dilution chart

	A Body	CL-N	A Cervical
V-shade			
A1	40%	60%	-
A2	60%	40%	-
A3	80%	20%	-
A3.5	100%	-	-
A4	-	-	100%
	B Body	CL-N	B Cervical
B1	30%	70%	-
B2	60%	40%	-
В3	100%	-	-
B4	-	-	100%
	C Body	CL-N	C Cervical
C1	40%	60%	-
C2	60%	40%	-
C3	100%	-	-
C4	-	-	100%
	D Body	CL-N	D Cervical
D2	80%	20%	-
D3	100%	-	-
D4	-	-	100%

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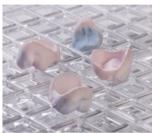


## Drying & sintering

## Drying

Face the restorations with occlusal surface faced down.





Place the coloured restorations with occlusal surface faced down and dry for approx. 60 min. at 80  $^{\circ}$ C.

## Sintering of GC Initial Zirconia Disk HT

	Heat	Heat	Hold	Cool
Temperature (°C)	1000	1450	1450	1000
Time (hour)	2	4.5	2	1

When using other zirconia disks, sinter according to the manufacturer's recommendation.



# Aesthetic realization using the IQ ONE SQIN Concept









CDT João Paulo Martins, UK







For more tips and tricks please consult the Initial IQ ONE SQIN Technical Manual.



## **Luting recommendations**



Retentive shape is sufficient



Margins are subgingival Isolation is difficult



Moderate aesthetics are needed



Preferred when the caries risk is high thanks to ion release

Find the step-by-step for all your cementations on GC Luting Guide:













FujiCEM Evolve: This easy-to-use and versatile RMGIC is your perfect partner for most of your routine cementation.

- Strong bonding to tooth and restoration, especially to Zirconia
- Quick and easy: no need for etching and bonding of the tooth
- Excellent marginal seal thanks to chemical adhesion to tooth structure
- Moisture-tolerant: a "must-have" when moisture control cannot be quaranteed
- Rubbery consistency for easy removal of excess, with tack-cure option

Alternatively, G-CEM ONE, a Universal self-adhesive cement can be used.



## Pre-treatment step-by-step



1. Clean, rinse and dry the preparation.



2. Check the fit & occlusion.



3. Remove the restoration and sandblast 25-50 µm alumina 0.15 MPa/1.5 bar.



4. Rinse and dry the restoration.



Note: for optimal adhesion, apply MDP primer such as G-Multi Primer on the restoration (not mandatory for FujiCEM Evolve or G-CEM ONE).



5. Rinse and dry the prepared tooth.

### Luting step-by-step with FujiCEM Evolve



6. Bleed the syringe before use to ensure even extrusion of the pastes.



7A. Apply FujiCEM Evolve directly into the restoration using a mixing tip.



7B. Mix the pastes for 10 sec. Apply the mixed FujiCEM Evolve directly into the restoration.



8. Immediately seat onto the preparation. Maintain moderate pressure.



Optionally for FujiCEM Evolve, excess can be tack-cured for 3 sec.



When the cement feels rubbery, remove the excess while maintaining moderate pressure.



10. Proceed with occlusion check and finishing 4'30 after seating the restoration.

#### **TIPS & TRICKS**

- For temporization, use TEMPSMART DC for beautiful results and easy polishing.
- Sandblasting of the tooth surface before luting is highly recommended.
- Use of MDP primer on the zirconia restoration is optional for G-CEM ONE and FujiCEM Evolve.
- In case of non-retentive shape of preparation, G-CEM ONE in combination with G-CEM ONE Adhesive Enhancing Primer or G-Premio BOND can be used to increase the adhesion.

### Benefits at a glance

- For complete or partial characterisation of zirconia frameworks, either by **painting** or **dipping**
- Nature analogue colour tones to limit the required finishing time
- Enhanced aesthetics by customisation of the pre-sintered zirconia structure
- Faster, more predictable and highly individualised results

### Perfect synergies







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