

kuraray

Noritake

4.4.1

REINTERPRETS THE AESTHETICS
OF THE MONOLITHIC

ZERO CUT-BACK, MICRO CUT-BACK, LAYERING FROM 30 UM



4.4.1

WHAT IS IT?

It is a ZERO cut-back micro-layering system of zirconium oxide in unprecedented thicknesses in the order of tens of microns.

Go to a higher aesthetic level: create contrasts with the internal coloring and obtain translucency and depth with the opalescent effect liquid ceramic in a minimum thickness of 30 microns.

4.4.1 also includes the MICRO cut-back technique which is based on the same internal coloring technique but differs in the use of an opalescent ceramic powder with a minimum thickness of 0.3 mm.



REDEFINE THE AESTHETIC LEVEL

Redefine the line between monolithic and layered restoration.

It integrates the Ultra / Thin layering 4.4.1. in the workflow of monolithic zirconium oxide restorations and takes aesthetics to the next level. Create a new basis for economic sustainability with a technique that guarantees ALWAYS predictable results and fast execution times.



STRATIFY IN THICKNESS OF TENS MICRONS

No reduction or modification of the anatomical design of the restoration:
Zero-cut-back for ultra / thin layering 4.4.1. Creating translucent effects, modulating
saturation and brightness has never been like this easy to control.



HOW IS IT POSSIBLE TO CREATE EFFECTS IN 30 MICRONS

Translucency, saturation and fluorescence of CZR TM Internal Live Stain colors can be easily modulated with Bright dilution to obtain effects, shades and contrasts.

The liquid ceramic glazes, CZR TM FC-Paste Stain, create depth effects and enhance the internal coloring in incredibly thin 30 microns thicknesses.

Stratifying a monolithic with Zero cut-back with the 4.4.1 system allows you to reach a new aesthetic goal with the highest demand restoration on the market



PRIMA DELLA COTTURA

Internal Live Stain



DOPO LA COTTURA

Internal Live Stain

WHAT YOU SEE IS WHAT YOU GET

Create with CZR TM Internal Live Stain individual internal effects of surprising realism: in fact, the refractive index of these colors allows the evaluation of the final color even before baking.

A nice advantage even for the most experienced ceramist who can replicate with the maximum control and predictability of individual details visible in a photograph



Courtesy of: Odt. Francesco Napolitano - Napoli



PRIMA DELLA COTTURA

Internal Live Stain



DOPO LA COTTURA

Internal Live Stain



OBSERVE AND REPLY THE COLOR

Replicate the original color and its shades as an artist transfers it to the canvas.

The 4.4.1 system colors allow you to create the perfect copy before baking. You will get exhilarating results above your expectations.

A nice advantage even for the most experienced ceramist, a chance for your delegation.



4.4.1

BENEFITS

Zero micro layered cutback: aesthetics at the next level

- Thicknesses from 30 microns
- Easy control of translucency, saturation, brightness, fluorescence
- Realistic color before firing
- Quick and easy application, self-polishing
- Micro-cut-back thicknesses with 0.3 mm powders

Picture of the opened box 4.4.1 new packaging with a full product line-up in front.
Shot on a black background

4.4.1

THE SELECTION

The 4.4.1 system is based on the selection and combination of NORITAKE ceramics from the CZR™ line validated by internationally renowned ceramists.

Introduce the modern liquid micro-layering technique to your laboratory with a 4.4.1 assortment of 9 colors usable for the ZERO cut-back and MICRO cut-back techniques

- 4 x CZR Internal Live Stain
- 4 x translucent CZR FC Paste Stain
- 1 x translucent opalescent Luster powder
- 1 x Internal Live Stain liquid
- 1 x Bright dilution Internal Live Stain



CZR™ Internal Live Stain



CZR™ FC Paste Stain

ZERO CUT-BACK TECNICA 4/4

INTERNAL effects of optical illusion, saturation control and contrasts made with the Internal Live Stain emulsions modulated with the BRIGHT dilution mass. Overlay the self-polishing glass emulsions, FC-Paste Stain and create depth effects enhancing the internal coloring: the result will surprise you.



Video Tutorial



CZR™ Internal Live Stain



CZR™ Luster Porcelain

MICRO CUT-BACK TECNICA 4/1

The MICRO cut-back is based on the same internal coloring technique but differs in the use of a high-brightness opalescent CZR™ ceramic powder for refined natural effects and textures in a minimum thickness of 0.3 mm



Video Tutorial



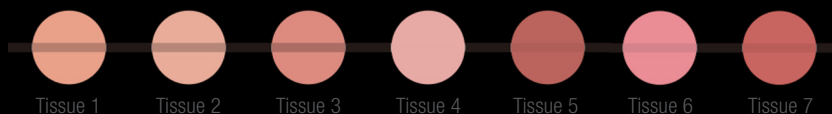
ZERO CUT-BACK: TECNICA 4/0

FC-Paste Stain translucent emulsions create effects that are as natural as they are sophisticated when used with KATANA™ cubic zirconium oxide formulations. They maintain the surface texture imprinted with the brush even after baking



TISSUE

10g / 50g



WHITE AND PINK AESTHETICS

For gingival reproductions of natural beauty and brightness, CZR™ Tissue LF powders (at low temperature) create the best white aesthetic frame.

Tissue LF powders are the easiest and most effective solution for creating shades bright and shiny for a perfect pink color.

TECHNICAL COOKING PARAMETERS 4.4.1

SCHEMA COTTURE 4.4.1.	INTERNAL STAIN	FC PASTE STAIN	LUSTER PORCELAIN	PINK TISSUE LF
Tempo di asciugatura (MIN)	5	5	10	10
Temperatura di asciugatura °C	450	450	450	450
Applicazione del vuoto °C	450	450	450	450
Rampa temperatura °C/MIN.	45	45	45	45
Livello vuoto (KPA)	96	96	96	96
Rilascio vuoto °C	899	754	934	839
Alta temperatura °C	900	755	935	840
Mantenimento all'aria (MIN)	-	1	1	1
Tempo di Raffreddamento (MIN)	4	4	4	10

The temperatures indicated are indicative and may vary depending on the oven.
For firing of extended bridges change the drying time, gradient and cooling time.

THE FASTEST AND MOST EFFICIENT TRAINING EVER

To know and deepen the 4.4.1 technique it takes very little.

You will need to know a few tips and tricks but the good news does not end there: our demonstrations and practical “ON AIR” courses offer you an interactive model that allows you to interact with the tutor more effectively while staying in your laboratory. From the next day you will be operational with 4.4.1.

ON AIR practical courses: Find out how it works and its advantages

www.kuraraynoritake.eu/en/441courses

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Webinar with LIVE demonstration: discover the calendar

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THANK YOU

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