

Instructions for use & technical data Copran Color



<u>technical data</u>	printing date: 03.09.2015
manufacturer:	Whitepeaks Dental Solutions GmbH & Co. KG Langeheide 9 - 45239 Essen - Germany
product:	Copran Color / Copran Monolith Color / CopraSmile Color / CopraGlaze
product type:	colouring liquid for zirconium ceramics
product form:	colouring liquid in different shades
CE-mark:	CE 0483
selected users:	educated users who manufacture zirconium ceramics by MAD/MAM or CAD/CAM milling systems and would like to colour them before sintering.
shelf life:	3 years kept between 4 – 10 degrees Celsius and air tight closed containers.

Specifications

- is a colouring liquid and might be used to colour all types of monolithic (fully anatomical) zirconium ceramics
- is a medical device class IIa
- is water based, does not contain acid, does not corrode metal instruments or metal workbench surfaces
- does not corrode the heating elements in the sintering furnace
- does not contain oily substances and infiltrates quickly and deeply into the restoration
- at the cutting of sinter drops and connecting bars you will not experience any lighter areas or blotches
- if a colour is too intensive for your taste, the colouring liquids can be easily dissolved with distilled water to lighten the tone

Safety Advice

While using this product, personal safety measures are necessary.

Wear **protective goggles** and **protective gloves**. Do not eat, drink or smoke while using the colouring liquids. Make sure to be in a well ventilated area while staining and drying the restorations.

First Aid

eye contact:	rinse open eye for several minutes under running water. If symptoms persist, consult a physician
skin contact:	rinse thoroughly with water and soap
swallow:	do not induce vomiting. Rinse mouth thoroughly with water if person is conscious.
after inhalation:	supply fresh air, consult physician
more details:	if irritations occur or persist, consult physician
emergency information:	poison emergency hotline – Berlin: 24hrs phone +49-30-19240

preparing

The restoration should be completely finished in respect of grinding / adjustments of the shape. The restoration should be completely dry before colouring.

To get maximum translucency and perfect surfaces on your restoration, we recommend to clean your restoration in distilled water and our ultrasonic cleaning device "Cupra-Sonic". This device is specially designed for zirconium cleaning, please do not use other ultrasonic cleaners as they might be too "strong" and therefore might damage the restoration. Hold your restoration in tweezers made of plastic and wave it in the distilled water for 5 to 10 seconds until no more "clouds of dust" rise from it. Remove excess of water with oil free air, dab with pulp or with cotton swabs

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dipping technique:

Dry your restoration under an infrared lamp or use a porcelain furnace with a short drying program. Make sure your restoration is completely dry. Take the required colouring liquid from the refrigerator, make sure that it is tightly closed and shake it well for a few seconds to make sure no elements have sedimented in the liquid and are dissolved properly again. Now dip your restoration for about 45 seconds in the colouring liquid of your choice. Remove it and brush away any leftover liquid with a brush, soak up excess of liquid with cotton swabs or dry with oil free air. Close the container of the colouring liquid tightly and place it back in the refrigerator. If a restoration appears to be too stained in the original container, pour the colouring liquid in a clean glass jar and stain your restoration in there. After that, fill the colouring liquid back into the original container. Clean your glass jar with a tissue and rinse it thoroughly with water and detergent.

painting technique:

Dry your restoration under an infrared lamp or use a porcelain furnace with a short drying program. Make sure your restoration is completely dry. Take the required colouring liquid from the refrigerator, make sure that it is tightly closed and shake it well for a few seconds to make sure no elements have sedimented in the liquid and are dissolved properly again.

Start the painting process with the Whitepeaks micro applicators or a brush. The following painting sequence proved to be useful: margin area, incisal areas, occlusal areas and tubercles. To get an uniform colouration, we recommend a small brush for the dentin.

Use the "blocker liquid" very carefully and sparingly. It prevents other liquid to infiltrate and therefore leaves the area completely in the natural zirconium colour. Therefore it has to be applied before any other liquids are painted. After applying all the "effect colours", colour the rest of your restoration with the respective dentin liquid. To get an even distribution we recommend a small brush. You also can apply the dentin liquid from the inside of the crown to create an illusion of a "dentin core" and your painted "enamel layer" on the surface.

With a little skill and training you will be able to create fantastic lively results.

sintering:

Dry your restoration and sinter it as stated in the "instructions for use".

After the final sintering the restoration can be ground, if necessary, in a wet grinding technique with diamond coated grinding tools. Sintered diamonds, korundum stones or hard metal burs must not be used.

Annotation of packing identifications



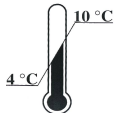
Symbol for „batch number“



Symbol for „applicable until“

X 0483

Confirmation: complies to the current European rules



Symbol for „lower and upper temperature limit“



Symbol for „observe instructions“

Rx only

educated users only