


Instructions for use & technical data for Copran Color



Technical data

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Manufacturer:	Whitepeaks Dental Solutions GmbH & Co. KG Langeheide 9 - 45239 Essen - Germany
Product:	Copran Color/ Copran Monolith Color/ CopraSupreme Color/ CopraSmile Color
Product type:	colouring liquid for zirconium dioxide ceramics
Product form:	colouring liquid in various shades
CE-mark:	 0483
User group:	instructed users, who manufacture dental restorations from zirconium dioxide ceramics by MAD-MAM or CAD-CAM milling systems and would like to colour these before sintering
Shelf life/ storage:	3 years kept at between 4-10 degrees Celsius and in closed air tight containers

Specifications

- is a colouring liquid for colouring zirconium dioxide 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, makes full use of the capillary effect of the zirconium 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

Instruction for use

Safety advice

While using this product, personal protective equipment is 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 restoration.

First aid

eye contact:	Rinse open eye for several minutes under running water. If irritation persists, consult a physician.
skin contact:	Rinse thoroughly with water and soap.
swallow:	Do not induce vomiting. Rinse mouth thoroughly.
after inhalation:	Supply fresh air.
more details:	If irritation occurs or persists, consult a physician. (Present safety data sheet.)
emergency information:	Poison emergency hotline – Berlin: 24hrs phone +49-30-19240

Preparation

The restoration should be completely finished and completely dry before colouring.

To get maximum translucency and perfect surfaces on your restoration, we recommend to clean your restoration in distilled water and in our ultrasonic cleaning device White-Sonic. (Please use exclusively our recommended ultrasonic cleaning device. Other ultrasonic cleaners might be too "strong" and might therefore damage the restoration.) Hold your restoration in plastic tweezers and wave it in the distilled water of the ultrasonic cleaning device 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

Dipping technique:

Dry your restoration under an infrared lamp or use a porcelain furnace. 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 sediments have formed.

Now dip your restoration completely for about 45 seconds into the colouring liquid of your choice. Remove the restoration and remove any leftover liquid with a brush, with cotton swabs or by drying with oil free air. Close the container of the colouring liquid tightly and place it back into the refrigerator. If a restoration is too big for the original container, pour the colouring liquid into a clean container and stain your restoration in it. After that, fill the colouring liquid back into the original container. Clean the container thoroughly with water and detergent.

Painting technique:

Dry your restoration under an infrared lamp or use a porcelain furnace. 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 sediments have formed.

Start the painting process with a brush. We recommend to apply the colouring liquids in the following painting sequence: Margin area, incisal areas, occlusal areas, tubercles and finally dentin colour.

Use the blocker liquid carefully and sparingly. It prevents other liquids from infiltrating into the restoration and therefore has to be applied before any other liquids. It leaves the area completely in the natural zirconium colour. After applying the effect colours, colour the rest of your restoration with the respective dentin liquid. You can also apply the dentin liquid from the inside of the crown to create the illusion of a dentin core.

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 of the utilised zirconium dioxide material. 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



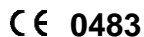
Symbol for „article number“



Symbol for „batch number“



Symbol for „applicable until“



Confirmation: Complies with the current European directives



Symbol for „lower and upper temperature limit“



Symbol for „observe instructions“