

Instructions for use & technical data for Copran Color Group (CoproClassic Color)



Technical data

Manufacturer:	Whitepeaks Dental Solutions GmbH & Co. KG Langeheide 9 - 45239 Essen - Germany
Product/ product type:	colouring liquid for zirconium dioxide ceramics
Product form:	colouring liquid in various shades - medical device class IIa
User group:	instructed users, who manufacture and colour dental restorations from zirconium dioxide ceramics
Shelf life/ storage:	3 years kept at between 4-10 degrees Celsius and in closed air tight containers

Indication/ intended use

The products of the product group Copran Color are exclusively suitable for the colouring of zirconium dioxide ceramics in the dental technology.

product	intended use
CoproClassic Color Base	Colouring liquid (dipping colour) for colouring opaque zirconium dioxide ceramics
CoproClassic Color PaintOn	Colouring liquid (paint on colour) for colouring opaque zirconium dioxide ceramics

Material properties/ technical data

The Copran Color colouring liquids are fluid, odourless, water-based, acid-free, free of oily substances, easy to apply, easy to store, easy to dispose of and have a long shelf-life.

Description

The products of the product group Copran Color are exclusively suitable for the colouring of zirconium dioxide ceramics in the dental technology. This colour adjustment has the advantage, that the dental restoration can be adjusted individually for the patient.

When used according to instructions Copran Color is completely biocompatible and non-toxic. Copran Color is water-based and does not contain acid, therefore it does not corrode metal instruments or metal workbench surfaces. Also it does not corrode the heating elements in the sintering furnace. Copran Color 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

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

Preparation

To achieve 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.

Dry your restoration under an infrared lamp or use an oven. Make sure it is completely dry. Please insure, that the water never reaches boiling temperature during the drying process, as that could cause cracks.

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.

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Dipping technique

.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

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 completely as stated above. A not completely dry restoration may result in colour alteration or opacity of the zirconium dioxide. Sinter your restoration as described 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.

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.

Disposal

See safety data sheet.

Annotation of packing identifications



Symbol for „item number“



Symbol for „LOT number“



Symbol for „applicable until“



Confirmation: Complies with the current European directives



Symbol for „lower and upper temperature limit“



Symbol for „ follow the instructions for use“

Rx only

Symbol for “Caution: US Federal law restricts this device to sale by or on the order of a licensed physician or dentist.”