Techniques Chimiques Nouvelles

A Colorful World

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Techniques Chimiques Nouvelles

CRX dyeing powders are in the form of powder.

They are used in solution with demineralized water.

Material

CR39® organic lenses and coated lenses.

Advantages

Easily dissolved in water.
Stability of the dyeing bath.
Quick dyeing.
Non-voluminous storage.
Good evenness.
Low-priced process.

Packaging

Our packaging is adapted as required by manufacturers, laboratories and opticians:
- Metallic pail of 5-10 kg.
- Plastic box of 500 g.

- **Individual hydrosoluble bag**
For simple use
without generating dust.

Technical bulletin nº 20 CO 11

CRX dyeing powders

for organic lenses

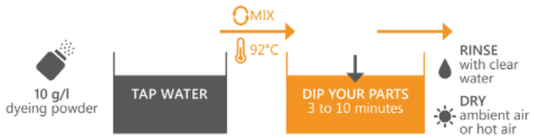
INSTRUCTIONS FOR USE

Dissolve **CRX dyeing powders** in warm demineralized water.

10 g **CRX dyeing powder** for **1 litre** of water
or
1 **CRX hydrosoluble bag** for **1 litre** of water.

Heat at 92°C (+/- 2°C);
Stir and let the bath stabilize for 10 minutes before use.
Dip the lenses for 3 to 15 according to the required color.
Rinse immediately with warm water.

THE TECHNICAL PROCESS



Storage

1 year in tightly closed packaging in usual conditions of storage. Avoid humidity and high temperature.

ESSENTIAL PRODUCTS

Anti-UV treatment
5502P anti-UV allows an ultra-violet filtration in the 350-400 nanometer range.
For CR39® organic lenses, used at 35 g/l water at 92^0 C, for 5 minutes.

Discolorant
4080 discolorant pure is suitable to hot remove a non-compliant color.

Heat transfer liquid
5880 heat transfer is a liquid for heating machine. Not volatile, It does not form fumes

Shades

A range of 26 standard colors is available and all miscible with each other to achieve an infinity of colors.

RELATED PRODUCTS

Cleaner
7520B cleaner is suitable for an efficient cleaning of tanks and utensils.
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Décoating
8436AR decoating pofor anti-reflexion and anti-scratch coating.

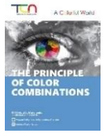
Red absorber
Annoying red tones could appear on dark tinted lenses.
A brief dipping in a solution of **8425 red absorber** (100 ml/l) corrects red reflects

Coloration of PC
Polycarbonate lenses are easily dye with our **liquid dyes PCL3** (technical bulletin n°18 CO 11).

Wastewaters treatment
8500PAX coagulant allows a primary treatment by precipitation/flocculation of wastewater. Recommended use at 10 g/l.

SERVICES

Formulation and realization of shades on demand
Color matching of CRX dyeing powders from a Pantone® or RAL® reference.



« The principle of color combinations »
Our booklet recalls the essential chromatic properties to obtaining particular colors. It's a mini-guide that explains how to build your dyeing baths.

Spectrocolorimetric analysis
To guarantee ever more performance to our customers and partners, TCN is equipped with a **spectrocolorimetric device** to ensure:

The L*a*b color measurement of a tinted piece, in reflection and transmission, under different illuminants.
Reproducibility and conformity of each batch of dyes.
Precise color matching of specific shades.

UV aging test
Our xenon lamp equipment allows to simulate aging tests and know the UV resistance of our dyes.
Our customers can ensure the behavior of their colorful pieces and the change in properties of their materials by solar radiation in a short time.

Color chart

Yellow and Orange

Fluo yellow	Lemon yellow	Golden yellow	Orange	Orange
-	-	-	-	-
5944	**8043**	**3441**	**5945**	**8963**

Pink and Red

Pink	Fuchsia	Violet	Mauve	Scarlet	Red
-	-	-	-	-	-
3442B	**8168**	**3735B**	3449 C	**3443B**	8153B

Green and Blue

Anise	Green	Green
-	-	-
6755	3467B	3450B

Blue

Blue	Blue	Blue	Night blue
-	-	-	-
5770	7690	**3437**	3438B

Brown

Pink brown	Olive brown	Smoke	Brown
-	-	-	-
3466C	3446B	3447C	6785C

Grey and Black

Neutral grey	Grey blue	Grey green	Black
-	-	-	-
3444C	3445C	5661B	5894C

illustrative colors

pure colors are listed in bold