

CATAFOR 600 line

The New Era of Luxury Cataphoretic Coatings



The cataphoretic coating system for high-end jewelry and fashion accessories

easy-to-use, excellent performance and flawless aesthetics

CATAFOR 600 is the next-generation cataphoretic process, specifically developed by Berkem to provide an invisible yet **highly effective barrier against the oxidation of precious metals**. CATAFOR 600 delivers remarkable visual depth and crystal-clear brilliance. Its versatile formulation unlocks **endless chromatic possibilities**, from subtle transparent shades to bold, contemporary effects, offering style departments and designers an advanced creative tool without compromising the technical integrity of the coating.

CATAFOR 600BS | 600CS

This **transparent cataphoretic lacquer**, forms a **crystal-clear, scratch-resistant coating** that safeguards and enhances a wide variety of metals, including **silver, brass and gold**, without altering their visual integrity.

It provides a long-lasting, non-yellowing barrier that effectively prevents tarnish, especially on silver and other oxidation-sensitive metals.

The finish is **ultra-thin, uniform** and **self-limiting**, preserving the original detail and brilliance of each design.

Developed for the **jewelry and fashion accessory**, it sets a new standard in surface finishing combining **invisible protection and visible perfection** in one seamless solution.

Technical Excellence in Every Layer

- Available in **ready-to-use or concentrated** forms
- No DGR classification** – easy and cost-effective logistics
- Self-leveling and self-limiting** application
- Non-yellowing** – perfect clarity even on silver
- Up to 5 H hardness** – outstanding resistance to abrasion
- Curing from just 120 °C** – energy-saving and surface-safe
- Compatible with post-dyeing** for wonderful aesthetic effects

CATAFOR 600 Post Dyes

The **CATAFOR 600 Post Dyes line** unlocks full creative freedom, offering vibrant, long-lasting color options **without compromising protection**.

These solvent-based dyes penetrate the transparent cataphoretic coating, infusing the surface with **rich, vivid tones** that make each piece truly unique, because **color is more than decoration, it's a statement of identity**.

Whether you're designing minimalist pieces or bold, statement jewelry, the system lets you **enhance gemstones, accentuate details** and create stunning contrasts between metal and color.

CATAFOR 600 Post Dyes are perfect for:

- Creating depth and vibrancy
- Highlighting design contrasts
- Amplifying the brilliance of colored gemstones























The same color can be used to achieve a wide range of effects, from delicate highlights to deep saturation, simply by managing the immersion time (30 seconds for a translucent, soft tone until 120 seconds for a full, opaque finish). This means **endless combinations and gradients**, all from a single dye, giving designers **limitless creative potential** with no extra complexity.

Sustainability at its Core

CATAFOR 600 is not only technically advanced, but also aligned with the **principles of responsible manufacturing** and sustainable innovation.

- Water-based**, without aggressive solvents
- RoHS and REACH compliant**, heavy metal-free
- Low curing temperature** reduces energy usage
- Low-emission**, safe for both people and the planet



Protective cataphoretic lacquers			color	form	packaging	code
CATAFOR 600BS	water-based cataphoretic lacquer - transparent		ready to use	1 L	VE01008001	
CATAFOR 600CS	water-based cataphoretic lacquer - transparent		concentrated	10 L	VE01006801	
CATAFOR 610	colored cataphoretic lacquer - deep black		ready to use	1 L	VE01008201	
CATAFOR 620	colored cataphoretic lacquer - deep white		ready to use	1 L	VE01008301	
product			form	packaging		
CATAFOR 600 Post Dyes			ready to use	1L		
 	600-01 Yellow	 	600-02 Red	 	600-03 Blue	
120 - 30 sec	code VE01007101	120 - 30 sec	code VE01007201	120 - 30 sec	code VE01007301	
 	600-04 Gold	 	600-05 Green	 	600-06 Black	
120 - 30 sec	code VE01007401	120 - 30 sec	code VE01007501	120 - 30 sec	code VE01007601	
 	600-07 Violet	 	600-08 Orange	 	600-09 Brown	
120 - 30 sec	code VE01007701	120 - 30 sec	code VE01007801	120 - 30 sec	code VE01007901	
Additives			form	packaging	code	
CATAFOR 600S	solvent		concentrated	1 L	VE01006901	
CATAFOR 600C	wetting additive for pre and post dyes		concentrated	100 ml	VE01008101	
CATAFOR 600W	wetting additive for rinses		concentrated	100 ml - 1 L	VE01007001	

CATAFOR 600 line | STEP BY STEP APPLICATION PROCEDURE

PRE-TREATMENTS	PREPARATION RINSE	ELECTROPHORETIC COATING	POST-COATING RINSES	POST-DYES*	FINAL RINSES	CURING
standard plating pre-treatment sequence up to neutralization PRODUCT TIME TEMPERATURE ANODE VOLTAGE FAN OVEN	CATAFOR 600W 2 ml/L 10 sec	CATAFOR 600BS or CATAFOR 600CS 33% lacquer 67% demin. water 28–30° C stainless steel 0–35 V 20 sec no current 30–60 sec	RINSE 1 CATAFOR 600W 2 ml/L 10 sec RINSE 2* CATAFOR 600C 10 ml/L 10 sec	CATAFOR 600 POST DYES 25–30° C 30 sec for translucent color 120 sec for full opaque color * process steps for post-dyes	RINSE 1* CATAFOR 600C 10 ml/L 10 sec RINSE 2 CATAFOR 600W 2 ml/L 10 sec	fan oven with controlled temperature 120–160° C do not exceed 160° C 30 min