

KOLARY™ 7201 Cationic Modifier

INTRODUCTION

KOLARY™ 7201 is a cationic modifier containing reactive functional groups, designed for pre-treatment of cellulosic fibers such as cotton, linen, and viscose. It improves dye uptake, leveling, and fixation in pigment dyeing or reactive/direct dye bath processes. The product provides excellent affinity to fibers, enabling uniform modification and enhanced color fastness.

PHYSICAL PROPERTIES

Appearance	Transparent viscous liquid
Ionicity	Cationic
Solubility	Soluble in water
Brix (%)	48
Solid Content (105°C, 3h, %)	40-44

APPLICATIONS

KOLARY™ 7201 is mainly used in the pretreatment of cellulosic materials to improve dyeability and color fastness in pigment and reactive dyeing systems. It promotes more uniform dye penetration and enhances fixation between fiber and dye or binder, resulting in stable coloration and improved washing durability. It performs effectively in garment dyeing, washing, and finishing processes, especially where reactive bonding and soft handle are desired.

USAGE GUIDELINES

1. Pre-Treatment Process

Dosage:

- KOLARY™ 7201: 1-5 % (o.w.f.) (reduce for light shades)
- Soda ash: 8-10 % (o.w.f.) (adjust bath pH to 10–11)
- Penetrant: 1 g/L

Procedure:

- Load cold water and penetrant into the dyeing machine; wet garments for 5 minutes.
- Add KOLARY™ 7201 and treat for 10 minutes.
- Add soda ash and continue treatment for 10 minutes.
- Gradually raise the temperature to 65-80°C and maintain for 30 minutes.
- Drain the bath and rinse twice with cold water.

2. Pigment Dyeing Process

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Dosage:

- Pigment paste: as required (depending on shade depth)
- Leveling agent Peregol O: 1 g/L

Procedure:

- Load cold water and leveling agent O into the dyeing machine; treat for 10 minutes.
- Add pigment paste and treat for another 10 minutes.
- Raise the temperature to 75-80°C and maintain for 30 minutes.
- Drain and rinse twice with cold water.
- For higher color fastness, add binder (6-8 % o.w.f.), treat at 70°C for 10 minutes, then rinse.

3. Optional Treatments

Enzyme Wash: Apply as required according to the garment's effect.

Soaping: 2 g/L soda + 1 g/L soap, 80 °C for 10 minutes, followed by hot and cold rinsing.

Finishing: Softening, dehydration, and drying as usual.

Notes:

- a) Add the modifier slowly to ensure uniform adsorption on the fiber surface.
- b) Soda ash facilitates the chemical bonding between KOLARY™ 7201 and fibers; maintain appropriate temperature and time for complete reaction.
- c) For light shades, binder addition and enzyme washing can be omitted to retain soft handfeel and achieve a mild worn look.

PACKING

KOLARY™ 7201 is supplied in 125Kg plastic drum.

STORAGE

In the unopened and well-ventilated original container, KOLARY™ 7201 has a shelf life of 12 months in a dry and cool place. While storage beyond the recommended shelf life does not necessarily render the product unusable, it is important to check the product's properties for the intended use to ensure quality and performance, especially for quality assurance purposes.

HANDLING

This document does not contain the product safety information required for

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safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SINOPCC customer service.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.