Primasol® Level FR-MIV Conc.

Padding auxiliary for the continuous dyeing of cotton, polyester and polyester/cotton piece goods
- Prevents migration of pigment dyes
- Results in exceptionally good dye penetration and a uniform fabric appearance
Chemical nature
Polyacrylate in water

Physical form
Colorless, viscous liquid with a characteristic odor

Shelf life
Primasol® Level FR-MIV Conc. can be kept in the original sealed containers at temperatures between 5 and 35 °C for up to 12 months.
Partly used containers should be kept properly closed in a cool place and used up as soon as possible.
The product must be protected from temperatures above 40 °C.

Note on safe handling, disposal and ecology
Before using the product for the first time, please note the information given in the current Safety Data Sheet.

Properties

Product specification
Tolerances for test characteristics are given in the product specification.

Compatibility
Primasol® Level FR-MIV Conc. is compatible with all anionic and nonionic wetting and dispersing agents.

Note
The product property data merely provide an indication of how the product is to be used. They do not constitute the agreed quality of the product, nor are they the object of regular quality control tests.

Action
By restricting migration of dye particles during intermediate drying, Primasol® Level FR-MIV Conc. ensures the production of dyeings with a good, uniform appearance, free from listing and two-sidedness. The product is particularly effective in the pH 5 – 10 range.
It does not restrict the development or fixation of the dyes on the fabric. The product is not surface-active, does not foam and therefore has no effect on the final shade.
It improves the stability of pad liquors even in the presence of water-hardening substances. Pad liquors containing Primasol® Level FR-MIV Conc. are still usable after several days.
Primasol® Level FR-MIV Conc. prevents soiling of the rollers in the hot flue. It is therefore sufficient when changing to another shade to clean the hot flue with a wet end cloth. This considerably increases productivity.

Application

Fields of application
As a padding auxiliary, Primasol® Level FR-MIV Conc. prevents undesirable migration of dye particles during dyeing of cellulosic-fiber fabrics with vat dyes by the pad-steam or pad-jig process dyeing of cellulosic-fiber fabrics with reactive dyes by the pad-steam process dyeing of polyester-cellulosic blended fabrics with disperse and vat dyes, or the corresponding mixed dyes, or with disperse and reactive dyes, by the thermosol process with subsequent development.
Dyeing of polyester fabrics by the thermosol process, wet-on-wet dyeing
processes, where Primasol® Level FR-MIV Conc. prevents excessive bleeding of the dye pigments into the development bath.

**Application rate**
Approx. 5 – 15 g/l Primasol® Level FR-MIV Conc.
The application rate depends on the fiber composition and fabric type. It should be determined in preliminary trials.
The higher the proportion of synthetic fibers and the lighter and more open the material, the more Primasol® Level FR-MIV Conc. is necessary to prevent pigment migration. For example, in the continuous dyeing of a medium-weight PES/CO blended fabric with vat and disperse dyes,

7.5 g/l Primasol® Level FR-MIV Conc.
is added to the pad liquor.

**Procedure**
The pad liquor is prepared as follows:
Dissolve the weighed amount of Primasol® Level FR-MIV Conc. by stirring it into 10 – 20 times the amount of warm water. Dissolve or disperse the dyes and other auxiliaries separately as specified. Then successively pour the Primasol® Level FR-MIV Conc. solution, the dye dispersion and the other auxiliary solutions into the addition tank through a fine-mesh sieve or cloth, and make the pad liquor up to the required volume.

**Note: (optional)**
Handling
Safety

When using this product, the information and advice given in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, pro-portions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. Responsibility for compliance with the requirements of the downstream textile market rests with the textile processor.