

DENIMCOL DIS-MIP

Character	Multiprocess product for dyeing and aftersoaping cellulose fibres and their blends Greige dyeing of cellulose fibres and their blends Reactive conditioner with antcrease and sequestering effect Fastness conditioner for dyeings
Chemical Character	Mix of special polymers, surfactant and enzyme
Appearance	Brown, clear, slightly opalescent liquid
Ionic Character	Anionic
pH Value of a 10 % Solution	4.05
Density	1.07
Stabilities	DENIMCOL DIS-MIP is sensitive to frost to a certain extent; changes occurring at low temperatures disappear after warming up and stirring well.
Storage	If stored properly, the product will hold for approx. 12 months.

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Properties

DENIMCOL DIS-MIP is a mixture of numerous components with shares of very stable enzymes. Due to its large activity range its application is advantageous in many different processes and on all kinds of fibres. It has sequestering, dispersing, pectine-degrading and antcrease properties. It masks disturbing non-ionic shares. With application in the dyebath it can improve the fastness properties, particularly on dyeings with vat and sulphur dyes.

Application Technique

Diluting Instructions

DENIMCOL DIS-MIP can be mixed with water at any ratio.

Application Fields

DENIMCOL DIS-MIP is a mixture of most effective chemical components which have proven well in dyeing and of enzymes and components for degrading hydrophobic bars.

Greige dyeing of cellulose in medium and dark shades

The product can be applied for pretreating and dyeing garments made of cellulose fibres in one bath, as its washing effect doesn't develop until the components are saponified, and it is therefore not an incompatible partner for the dyes as it is often the case with non-ionic shares.

A one bath, multi-step dyeing process with preceding treatment with DENIMCOL DIS-MIP is possible, i.e. RFD fabrics can normally be dyed without a separate pre-washing process. After a short pre-running process dyeing can be done in the same bath without intermediate rinsing.

Greige dyeing of knit fabric: Depending on the article the addition of a separate antcrease agent and sequestering agent is unnecessary if water up to 5 °dH is used. CO qualities which do not contain too much oil can be dyed in greige form after adding a deaerating agent.

The application quantity is 2.0 – 3.0 g/l to the existing or optimised recipe.

On CO knit fabric of varying quality we recommend changing the bath:

Short pre-running process of 10 min at 50 °C

Drain and dye without intermediate rinsing

Add to the pre-running process: 0.5 - 1.0 g/l DENIMCOL DIS-MIP

Add to the dyeing bath: 1.0 - 2.0 g/l DENIMCOL DIS-MIP

Soaping process:

DENIMCOL DIS-MIP can be applied to aftersoap reactive dyeings, particularly if the hydrophilic effect is to be subsequently improved. Application quantity: 0.5 - 1.0 g/l.

Reactive conditioner

The addition of this product is advantageous for all kinds of reactive dyeings because it prevents precipitations with non-ionic surfactants as residues from pretreatment, it gives a better solubility of the dyestuffs and in this way results in a more level appearance.

Depending on the article a separate antcrease and sequestering agent is not necessary if water up to 5 °dH is used.

The application quantity is 1.0 – 2.0 g/l to the existing or optimised recipe.

Universal fastness conditioner for dyeings

Particularly on vat and sulphur dyeings, the product - if used additionally in the dyeing bath - improves the fastnesses. It facilitates the detaching of pigments in the subsequent soaping and washing baths.