
DENIMCOL BINDER FFA

Character	Polymer binder for pigment dyeing with BEZAPRINT pigments in garment dyeing
Chemical Structure	Acrylic polymer in aqueous dispersion
Appearance	White liquid
Ionic Character	Anionic
pH-Value	7.0 – 9.0
Specific Weight at 20 °C	Approx. 1.0
Stabilities	DENIMCOL BINDER FFA is highly sensitive to frost; after the impact of temperatures around the freezing point irreversible changes will occur.
Storability	If stored properly in a cool place, between + 5 °C and + 30 °C in closed original containers, the product will be stable for 12 months. Protect from frost and excessive heat. Opened containers must be closed again tightly.

Properties

In discontinuous pigment dyeings DENIMCOL BINDER FFA binds the dyestuff pigments to the fibre. The fixation process takes place under normal tumbler drying conditions.
DENIMCOL BINDER FFA gives a neutral handle.

DENIMCOL BINDER FFA is a highly concentrated polyacrylate binder for manufacturing fashionable, pigment based dyeing effects as for example the OLIVERSE effect.

DENIMCOL BINDER FFA forms a very soft film.

DENIMCOL BINDER FFA itself is free from formaldehyde*. To improve the fastness properties we recommend the addition of a crosslinking agent. Depending on the selected crosslinking agent, the liquor can be maintained free from formaldehyde.

DENIMCOL BINDER FFA can show a sensitive reaction to strongly acid liquors and liquors containing electrolytes, e.g. synthetic resin liquors. In case of new product combinations preliminary tests are recommended to check the bath stability.

Application Technique

Dilution instructions

DENIMCOL BINDER FFA can be diluted with water at any ratio.

Application recommendation

Application in Pigment Dyeing

The application amount of DENIMCOL BINDER FFA depends on the colour depth. The following processing technique for dyeing cotton garments can be recommended:

Liquor ratio 1 : 8 to 1 : 10.

1. Precationisation

3,5 - 6,0 % DENIMCOL FIX-OS
0,0 - 2,0 g/l DENIMCOL LUB-BPA
After short running, add:
2,0 - 3,0 ml/l NaOH 38°Bé

20 Min. at 50 °C
Rinse and neutralize

2. Dyeing

Fresh bath

0,5 - 1,5 g/l DENIMCOL DIS-OL
0,1 - 0,5 g/l DENIMCOL CDS
x % e.g. BEZAPRINT pigments

20 - 40 Min. at 60 °C

3. Fixation

Depending on the bath exhaustion:
Add to the same bath or add in a fresh bath

3.0 – 5.0 % DENIMCOL BINDER FFA

Keep at 60 °C for another 15 min
Tumbler drying at 90 - 100 °C

Fixation of DENIMCOL BINDER FFA is effected during the drying process in the tumbler at normal drying temperatures. We do, however, recommend not drying at an initial temperature of less than 80 °C.

Note:

DENIMCOL BINDER FFA can be applied for example for the OLIVERSE effect to give a new dyeing effect of “used aspect” with darker dyed seams.

Our team will be pleased to work out specific procedure proposals.

* To us formaldehyde-free means that all recipe components neither contain nor release formaldehyde during production or processing.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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