



# Alviron FLD

Sequestering, dispersing and dyestuff solving agent with levelling properties when dyeing with reactive dyes.



## Properties and Advantages of Alviron FLD

- ✓ Brownish, clear liquid
- ✓ pH-value approx. 7
- ✓ Density approx. 1.2 g/cm<sup>3</sup>
- ✓ Can be diluted as desired with cold water
- ✓ Resistant in hard water
- ✓ Resistant in liquors of pH 4 – 12
- ✓ Good dispersing and sequestering capacity
- ✓ No retardation effect
- ✓ Low-foaming
- ✓ No demetallisation of dyes
- ✓ Good dispersion effect on water glass
- ✓ Salt-stable up to above 120 g/l common salt or Glauber's salt

### Composition

Mix of special polymers

### Ionic character

Anionic

## Application areas

**Alviron FLD** is a special dispersing agent for reactive dyes. The product ensures fine dispersion and better solubility of reactive dyes at high dye concentrations or short liquor ratios. It prevents dyestuff agglomeration and thus increases levelness.

**Alviron FLD** shows a good sequestering effect on calcium and magnesium ions and can disperse accompanying substances of the raw cotton. This also increases the dye solubility and promotes level dyeing.

Use of **Alviron FLD** is recommended in exhaust as well as continue procedures. The product is very low-foaming and can therefore be used in all machines. In case of large dye volumes, it is recommended to use part of the **Alviron FLD** directly to dissolve the dye.

Since **Alviron FLD** has no retarding effect, it can be added subsequently to existing dye recipes to improve levelness and to prevent precipitation of dye. When dyeing with hard water or if the cotton adds hardness formers to the dyeing bath, using **Alviron FLD** can deepen the colour and prevent lime spots.

The product is approved for production of GOTS-certified textiles. It corresponds to the requirements of the Global Organic Textile Standard (GOTS 4.0).

# Application

## Solving recommendation

The product can be diluted as desired with cold water.

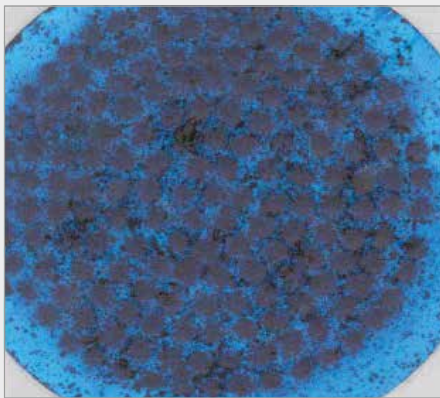
## Amounts

Exhaust procedure: 0.5 – 2.0 g/l **Alviron FLD**

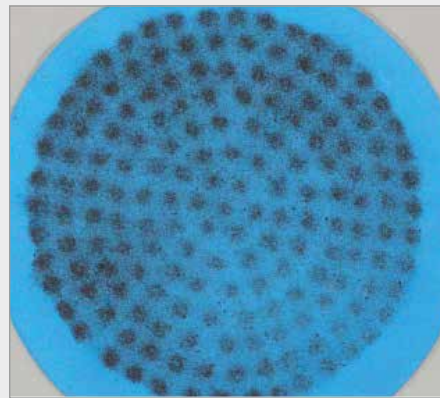
Continue procedure: 3.0 – 8.0 g/l **Alviron FLD**

## Turquoise dye – filter test

To illustrate the influence of nonionic surfactants, filter tests have been conducted in the lab:



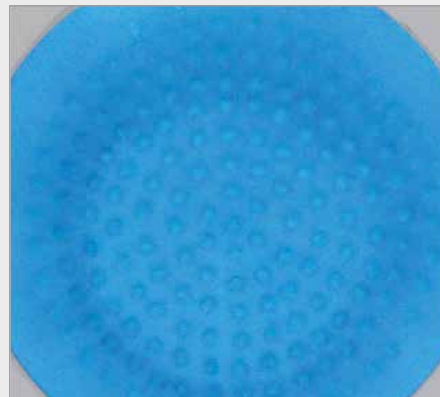
10 g/l Reactive Blue 21  
2 g/l nonionic wetting agent



10 g/l Reactive Blue 21  
2 g/l nonionic wetting agent  
2 g/l **ALVIRON FLD**



10 g/l Reactive Blue 21  
0.2 g/l nonionic wetting agent  
50 g/l NaCl



10 g/l Reactive Blue 21  
0.2 g/l nonionic wetting agent  
50 g/l NaCl  
2 g/l **ALVIRON FLD**

## Result

**ALVIRON FLD is not only a problem solver for turquoise shades, but for all reactive dyeing procedures.**





### Storage

The product can freeze if stored below 0 °C for a longer period. The product can be used again without limitation after thawing and careful stirring. At proper storage in closed original packages, the product can be stored for at least 6 months.

### For further notes on safe handling, see the safety data sheet!

The recommendations and information in word and text on our products here are based on comprehensive research work and correspond to our current experience from textile refinement. The information is deemed non-committal – also regarding property rights of third parties and foreign legal provisions - and shall not release the user from testing products and procedures for suitability for his use directly. In particular, we assume no liability for any purposes not expressly named by us in writing. We reserve technical changes in the scope of new product developments. We refer to our general sales and delivery conditions, item 7, in case of damage.



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