

Disperion® FD | Technical Data Sheet

Product Information

The **Disperion® FD** is an excellent leveling and dispersing agent for cotton dyeing with reactive dyes. It is a highly concentrated product, which forms complexes with dyes, and keeps them dispersed in bath to avoid the agglomeration of complicated molecules, and ensures a washing in impeccable dyeing. In the same way, it forms complexes with minerals such as Calcium and Magnesium, and leaves them inert, so that they do not redeposit in the fabric. This prevents white spots. This product is also very beneficial for polyester dyeing, as it aides in the reduction in size particle of the disperse dye-stuff.

The design of this product is beneficial for plants that run Polyester, cotton and poly-cotton blends, as you only use 1 product for both fibres.

Benefits

- Disperses and keeps in suspension the residual colorant on the fabric's surface.
- Promotes a levelled distribution of reactive and disperse dye-stuffs
- High resistance to alkalinity
- Resistant to oxidizing agents such as peroxide
- Controls the rate of depletion of the dyes during the heating stage
- **High Calcium and Magnesium sequestration capacity**
- **High dispersion capacity and colloidal protection**

Physical and Chemical Characteristics

Technical Data	Specs
Appearance	Amber color dark dispersion
Chemical Character	Blend of polyacrylates, alkyl and aromatic phosphonates.
Application	Levelling/ Dispersing
Ionic Character	anionic
Application	0.5 - 2.0 g/L
Active Ingredient	~40% +/- 2

Product Application

Reactive Dyeing if Cotton

1 g/L of Disperion® FD

Disperse Dyeing of Polyester

1 g/L of Disperion® FD

1 g/L is enough to disperse both types of dye-stuffs, however, for even harder to disperse colours, one can use up to 2 g/L

Packaging

Disperion® FD can be delivered in 200kg drums, or 1000 kg totes.

Novachem USA LLC

801 Brickell Avenue
Suite 900
Miami, FL 33131

Novachem Asia

Room 2306, Block A
Wanda Plaza, Weirjiao
Huishan District, Wuxi City, China

Novachem S de RL

Zoli INHDELVA
Nave 4B, INHDELVA NORTE
Choloma, Cortes
Honduras



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URL:// www.novachemgroup.com

The above recommendations are based on extensive results done in the most professional manner. The user must try this product industrially first, to verify if the product is viable for further use. The technical information and application advice given in this **Novachem** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. These results however verified and certified by a third party, do not hold us liable in terms of performance deviations. These tests have been conducted in controlled environments. The user is responsible for checking the suitability of products for their intended use.

For further information and to request samples, please visit **novachemgroup.com** where a qualified technician will assist you.