



# Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

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## PRODUCT LITERATURE

### ZOROFAST-FMD

#### Product Information

Zorofast-FMD is a speciality finishing agent to improve dry and wet rub fastness of all types of dyed and printed cotton and their blends. It is compatible with certain cationic and nonionic silicone finishing agents. It can be applied by both dry-on-wet and wet-on-wet application. Zorofast-FMD comply with the eco parameters.

#### Key Features & Benefits

##### Key Features

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Excellent improvement in wet rub fastness by padding

Does not contain harmful solvents

##### Benefits

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Improves by 1.5-2.0 units on direct reactive, sulphur, indigo and pigment dyed fabrics

Comply with the eco parameters

#### General Characteristics

Physical appearance : Light yellow to dark yellow liquid

Ionic nature : Cationic

pH of 1% solution : 5 +/- 1

Miscibility : Miscible with water

Compatibility : Compatible with cationic and nonionic products

Stability : Stable to dilute acids and dilute alkalies

#### Application

Padding method:

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Preparation of padding bath with Zorofast-FMD

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- Take 0.3-0.6 g/l acetic acid

- To this add required quantity of Zorofast-FMD (30 g/l) and mix it uniformly.

- Make the total volume with water (pH 5.8-6.2)



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- Mix well to get uniform solution
- Solution of 30 g/l Zorofast-FMD will appear slight hazy and turbid with pH 3.7-4.2

Pad -> Dry at 130-160 deg.C

Exhaust method - Zorofast-FMD in Garment:

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Step wise procedure for preparing Zorofast-FMD solution

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- Take 0.3-0.6 g/l acetic acid
- To this add required quantity of Zorofast-FMD (3-5% on weight of garment) and mix it uniformly
- Make the total volume with water (pH 5.8-6.2) mix it uniformly
- Mix well to get uniform solution
- Solution of 3-5% Zorofast-FMD will appear slight hazy and turbid with pH 3.7-4.2

Exhaust process:

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40deg.C, 20-30 min (with intermittent stirring)

Dry --> Curing @ 150-160 deg.C, 2-3 min

Special Instructions:

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- If the water pH>6.2, adjust it to pH 5.8-6.2 and then use.
- 30 g/l Zorofast-FMD will appear slight hazy and turbid.
- The prepared solution to be kept under constant stirring and to be used immediately.
- Do not keep Zorofast-FMD stock solution standing.
- Ensure that the padding bath pH is 3.7-4.2 throughout the



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process.

- Fabric to be treated should be free from anionic components.
- Do not use Zorofast-FMD in print paste.
- Pre-lab trials are recommended with other finishing agents.
- Absorbency of fabric should be instant. To improve absorbency of all over printed fabric (reactive/pigment), 0.2-0.5 g/l Celldet-R (wetting agent) is to be added in the finishing bath.
- pH of the fabric should be neutral.

Note:

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1. Zorofast-FMD when used alone gives best results
2. Zorofast-FMD can be used alongwith softener (Hydrosoft-142) to get desired results. Pre-lab trial with other softener is required before proceeding for bulk usage.
3. Zorofast-FMD can be used alongwith dye fixing agent but no softener should be added in the same bath.
4. Exhaust process is suitable only for Package dyeing and Garment drum m/c.
5. For garments, it is essential to cure at 150 deg.C after exhaustion

### Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.

Shelf Life : 8 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty]  
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