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	Benefits
Excellent improvement in wet rub fastness	Improves by 1.5-2.0 units on direct, reactive, sulphur, indigo and pigment dyed fabrics
Does not contain harmful solvents	Comply with the eco parameters

General Characteristics

Physical appearance	:	Yellow to yellow brown liquid
Ionic nature	:	Amphoteric
pH of 1% solution	:	4 +/- 1
Miscibility	:	Miscible with water
Compatibility	:	Compatible with cationic and non ionic products
Stability	:	Stable to dilute acids and unstable to dilute alkalies

Application

Padding method:

Step wise procedure for preparing Zorofast-FMD solution

- Take required quantity of Zorofast-FMD (30 g/l)

- To this, gradually add water (pH 5.8-6.2) and make the total volume

- Mix well to get uniform solution

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- Solution of 30 g/l Zorofast-FMD will appear Colourless to straw white liquid with pH 3.7-4.2

Padding Application:

Pad -> Dry at 130-160 deg.C

Exhaust method - in Garment:
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Step wise procedure for preparing Zorofast-FMD solution

- Take required quantity of (3-5% on weight of garment) and mix it uniformly

- To this, gradually add water (pH 5.8-6.2) and make the total volume

- Mix well to get uniform solution

- Solution of 3-5% Zorofast-FMD will appear Colourless to straw white liquid with pH 3.7-4.2

Exhaust process:

40deg.C, 20-30 min (with intermittent stirring)
Dry --> Curing @ 150-160 deg.C, 2-3 min

Note:

1. Fabric to be treated should be free from anionic components.

2. pH of the fabric should be neutral.

3. 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.

4. For garments, it is essential to cure at 150 deg.C after exhaustion

5. Zorofast-FMD has limited durability to washing

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Special Instructions:

- If the water pH>6.2, adjust it to pH 5.8-6.2 and then use.
- 30 g/l Zorofast-FMD will appear Colourless to straw white.
- Avoid using hard water.
- Prepare the solution at room temperature (approx.30 deg.C)
- 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 process.
- Pre-lab trials are recommended with other finishing agents.
- On standing the product tends to turn darker.

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	: 12 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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