Sarex Chemicals

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PRODUCT LITERATURE

ZOROFAST-FMD (CONC)

Product Information

Zorofast-FMD (Conc) 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 (Conc) comply with the eco parameters.

Key Features & Benefits

Key Features	Benefits
Excellent improvement in wet rub fastness by padding	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

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Physical appearance : 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 unstable to
                      dilute alkalies
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Application

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Padding method:
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Preparation of padding bath with Zorofast-FMD (Conc)
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- Take 0.3-0.6 g/l acetic acid

- To this add required quantity of Zorofast-FMD (Conc)
  (15-20 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 15-20 g/l Zorofast-FMD (Conc) will appear slight
  hazy and turbid with pH 3.7-4.2

  Pad -> Dry at 130-160 deg.C

Exhaust method - Zorofast-FMD (Conc) in Garment:
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Step wise procedure for preparing Zorofast-FMD (Conc) solution
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- Take 0.3-0.6 g/l acetic acid

- To this add required quantity of Zorofast-FMD (Conc) (1.5-3%
  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 1.3-5% Zorofast-FMD (Conc) 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.

- 15-20 g/l Zorofast-FMD (Conc) should appear slight hazy and
  turbid.

- The prepared solution to be kept under constant stirring and
  to be used immediately.

- Do not keep Zorofast-FMD (Conc) stock solution standing.
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- Ensure that the padding bath pH is 3.7-4.2 throughout the
  process.

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

- Do not use Zorofast-FMD (Conc) 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 (Conc) when used alone gives best results
2. Zorofast-FMD (Conc) 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 (Conc) 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 afte
   exhaustion
6. Zorofast-FMD (Conc) has limited durability to washing

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   : 9 months from the date of manufacturing, if
                       stored   under controlled conditions.