



PRODUCT LITERATURE GEOTEX-HPA (CONC)

Product Information

Geotex-HPA (Conc) is hydrophilic and antistatic agent developed specially for dyeing and finishing of synthetic fibres such as polyamide, polyester and their blends. Geotex-HPA (Conc) can also be used as an additive in wash and wear finishing. Treatment with Geotex-HPA (Conc) provides improvement in moisture transport properties resulting comfortness.

Fabric treated with Geotex-HPA (Conc) becomes softer, more supple and provides more pleasing touch to wearer.

Key Features & Benefits

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Imparts Hydrophilicity

Lubricating / Anticreasing
property

Benefits

Fabric becomes antistatic and shows better
moisture transport properties/absorbency

Running the material in bath alone before dyeing
prevents fixation of crease marks/compression marks
during dyeing in rope form

General Characteristics

Physical appearance : Offwhite to creamish lumps/paste

Ionic nature : Nonionic

pH of 1% solution : 6.5+/-1

Miscibility : Miscible with water

Compatibility : Compatible with cationic, anionic and nonionic products

Stability : Stable to dilute acids and dilute alkalies

Application

Padding process

Dosage* : 5-10 g/l

Pick-up : 65-70%

Bath pH : 5.0-6.0

Drying : 130-160 deg.C

Exhaust process

Dosage* : 0.5-1%

Bath pH : 5.0-6.0

Bath Temp.: 30-40 deg.C

Time : 20-30 mins.



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* Dosages recommended are based on the concentrated product's strength.

Dosages of diluted product to be calculated on the basis of solid content.

Note:

- The effect of Geotex-HPA (Conc) is durable for washing below 40 deg.C
- Finishing of dyed goods above 40 deg.C temperature, may cause bleeding depending on the colourfastness of shade

Instructions For Dilution

Procedure to prepare 20% diluted product of 100% Geotex-HPA (Conc)

- Take 79 parts DM water (60 deg.C)
- To this, add 0.5-1 part of Xanthan gum (viscosity modifier)
- Stir at 150-200 rpm for 30-40 min to obtain homogenous liquid.
- After cooling, add 20 parts of Geotex-HPA (Conc) and stir at 150-200 rpm for 20-25 min.

Preservation: It is recommended to add 0.1% Bronopol (2-Bromo,2-nitropropane, 1,3-diol) or Methyl Paraben (methyl para hydroxy benzoate) as an antimicrobial agent to avoid fungal / microbial growth.

Note: Geotex HPA (Conc) is a surfactant free self dispersing product and has tendency to settle or separate. It is to be stirred well before use.

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



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stored under controlled conditions.

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