



MIRACHEM INDUSTRIES

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TECHNICAL LITERATURE

EMCOZYME - DEBI

A judicial blend of neutral enzymes
specially developed for single stage
Desizing and Biopolishing of
Denims.





Salient Features:

- Reduces processing cost leading to savings in terms of water, energy and time.
- Eco friendly and Biodegradable.
- Combined desizing and Biopolishing effect.
- Reduced effluent processing cost.
- Low back – staining.
- Imparts high level of surface modifications.





Properties:

- Appearance : Yellow Brown Liquid.
- Chemical Nature : A judicial blend of neutral enzyme
- Solubility : Soluble in Cold Water.
- pH (2% Solution) : 6.5 – 7.5
- Stability : Resist to hard water
- Compatibility with
- Wetting Agents : Good.
- Storage Stability : Stable for 3 months.
(When stored in a cool & dry place)

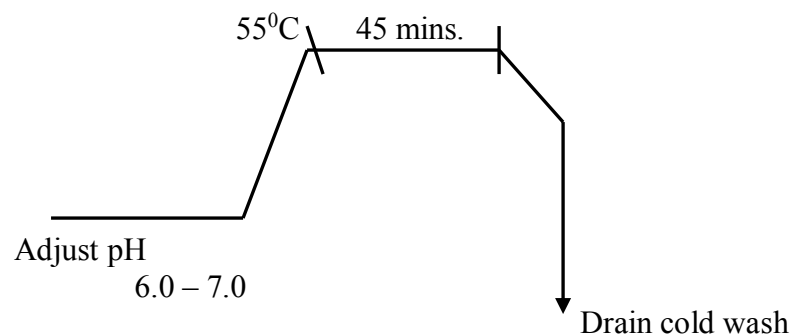




Method of Application :

EMCOZYME - DEBI	→	0.75 – 1.5 % (owm)
MLR	→	1:8 – 1:15
Optimum Temp.	→	55 – 60 °C
Operational Range Temp.	→	50 – 60 °C
Optimum pH	→	6.0 – 7.5
Operational pH	→	6.0 – 7.0
Duration		
Operational Range	→	35 – 45 mins.
[Depends on fabrics and process variables.]		

Process flow (EMCOZYME – DEBI dosing)



After achieving the desired effect the process should be terminated either by raising the temperature to 75 – 80 °C for 10 mins. or increasing the pH of the bath liquor above pH – 9.0





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General safety instructions:

General safety rules for handling chemicals should be observed in storage, handling and use. The product should not be swallowed. For further information, please consult existing safety data sheet.

Note :

The data contained in this communication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. Responsibility for compliance with the requirements of the downstream textile market rests with the textile processor.

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