

ZC - WAX EMULSION N+

Nonionic Polyethylene Emulsion

Appearance

Pale yellow aqueous dispersion

Composition

Poi) ethene emulsion prepared using nonionic emulsifier of the polyethenoxy ether type.

Ionic nature

Nonionic

Properties

1. **ZC - WAX EMULSION N+** forms stable emulsions in water at all dilutions which are stable over a wide pH range and in the presence of acids, polyvalent metal salts, amine hydro-chloride, dye fixatives and resin curing agents.
2. **ZC - WAX EMULSION N+** has excellent softening and lubricating properties.
3. **ZC - WAX EMULSION N+** is compatible with anionic and cationic finishing agents and other textile finishing resins such as polyvinyl acetate, poly-acrylate and polyvinyl alcohol.
4. **ZC - WAX EMULSION N+** is stable to long storage and does not develop any odour, rancidity or discolouration.

Application

ZC - WAX EMULSION N+ is used either alone or in combination with resin finishes.

1. With Resin Finishes

ZC - WAX EMULSION N+ when used alongwith crease proofing resins considerably improves tear strength, abrasion resistance, and creases recovery and gives better, softer hand and more supple drape.

Note : These suggestions and information are offered in good faith but without gurarantee as conditions and methods of use are beyond our control, Hence it is desirable for the prospective customer that they determine the suitability of the products and suggestions before commercial usage.

Z CROSS INTERNATIONAL

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2. As Plain Finish

- a. **ZC - WAX EMULSION N+** is an excellent softener for all types of natural and synthetic fabrics and gives excellent hand and drape.
- b. **ZC - WAX EMULSION N+** , because of its excellent lubricating properties reduces the friction between threads and thus helps to improve the wear and **reduce needle cutting**.
- c. **ZC - WAX EMULSION N+** is an excellent yarn lubricant and finishing agent for knit goods.

Advantages of using ZC - WAX EMULSION N+ :-

1. **ZC - WAX EMULSION N+** , being nonionic in nature is stable over a wide range of pH and is compatible with other finishes and auxiliaries.
2. **ZC - WAX EMULSION N+** , because of its very fine particle size. easily penetrates into the fabric and thus its pick is uniform and thorough.
3. **ZC - WAX EMULSION N+** , has good resistance to washing.
4. **ZC - WAX EMULSION N+** , does not cause any discolouration or change in the tone or fastness properties of dyeings, nor develop rancidity.
5. **ZC - WAX EMULSION N+** , helps to resist dirt pick-up.

Suggestions for use:-

1. With Resin Finishes 2 to 8 percent of the crease proofing resin bath.
2. As a Plane Finish
1.5 To 4 percent on the weight basis of the fabric depending on softness and lubricity required.

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ZC - WAX EMULSION N+ may be applied onto the fabric by conventional procedures by padding equipment as well as by jigger or winch. Drying, curing (when used alongwith resin finishes) and after washing may also be on the conventional equipment using conventional conditions, Fabrics treated with only **ZC - WAX EMULSION N+** need not be cured.

The informed given above is on the basis of our test knowledge and experience and is for your advice and guidance. However, no warranty is given nor freedom from patent or other rights inferred.

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