

ECOSIL C50A

INTRODUCTION

- **ECOSIL C50A** is a highly effective micro silicone softener emulsion, developed for all kind of textile fabrics. It has got an excellent feature of high quality permanent hand feel.

PROPERTIES

- **ECOSIL C50A** gives permanent effect even without the addition of a catalyst. Specific curing conditions need not be adhered to, if no resins are used.
- **ECOSIL C50A** can be applied either alone or together with resins and other finishing agents and produce permanent effects.
- Higher crease recovery angles and lower abrasion values can be obtained in resin finishes by using **ECOSIL C50A**.
- **ECOSIL C50A** helps up to an extent to improve stretchability of fabrics having high percentage of Lycra.

CHARACTERISTICS

- Physical Appearance : Clear liquid
- Chemical Nature : Micro silicone softener emulsion
- Ionic Character : Slightly cationic
- pH : 5.0 ± 0.5
- Density at 25⁰C : 0.98 ± 0.02
- Solubility : Dissolve in any ratio at room temperature

APPLICATION

- **ECOSIL C50A** is an ideal softener for a number of fibers like CO, PC, PES, CV, POLYAMIDE and other synthetic fiber and blends thereof.
- Knitted fabric and woven fabric made out of these fibers show excellent softening effect when treated with **ECOSIL C50A**.

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- **ECOSIL C50A** can be applied by both exhaust and padding methods.
- Can be combined with other finishing agents. (eg: Resins, Cationic softeners, Polyethylene etc.)

RECOMMENDED DOSAGE

- For Padding method
5 – 20 g/l **ECOSIL C50A** recommended for the pad method.

Pick up: 70 - 80%

pH : 6.0 – 6.5

Temperature : 150 - 170°C

Pre-trials to be taken if padder is operated more than 40m/min speed to check the stability of the product.

- For Exhaust method
1 – 3 % **ECOSIL C50A** relative to the weight of goods, are adequate and the treatment should be carried out at 40-50°C for 15-20 minutes. The pH of the liquor should not exceed pH 6 for optimum exhaustion. It may need to be adjusted with acetic acid. (High speed jet dyeing machine are not recommended for softening with **ECOSIL C50A**.)

STORAGE

- Avoid direct sunlight and heat.
- Store in a cool and dry place.
- Best performance within 08 months from the date of manufacture, if properly stored.

PACKING

- 120 Kg HDPE drum.

TRANSPORTATION

- Product is water-based, non-flammable and classified as non-hazardous for transport.

The data given in this Technical Pamphlet must be realized as an orientation. Application of the products lies outside our scope and it's customer's responsibility. We guarantee the satisfactory quality of our product and recommend to take prior trials in application for desired results.