

Technical – Information

AVCO-FINISH VS CONC

HYDROPHILIC SILICONE BASED SOFTENER WITH PARTICULAR SOFT HANDLE

AVCO-FINISH VS CONC is a new generation of hydrophilic silicone softener, which is a breakthrough among textile softeners.

AVCO-FINISH VS CONC imparts a special soft "silicone" handle and smoothness to the treated textiles. The finish imparts excellent hydrophilicity and a wicking effect.

AVCO-FINISH VS CONC is producing good permeability to water vapours through the treated textiles.

AVCO-FINISH VS CONC has excellent wicking properties, and is recommended for finishing sport wear. The product speeds up the drying of sweat out of the human skin when training with sport clothing finished with it.

AVCO-FINISH VS CONC is recommended for softening natural fibres as well as synthetic fibres and their blends.

SPECIFICATIONS:

Appearance	Opaque, whitish emulsion.
Chemical nature	Compound of organo-modified polydimethyl-siloxane, synthetic waxes, nonionic emulsifiers and glycols.
Ionic type	Almost non-ionic.
Solubility	Miscible with water at any ratio.
pH (1% sol.)	7 - 8
Density (g/cc)	0.96 – 1.0
Compatibility	Can be used together with non-ionic and cationic products. Compatibility with anionic products should be evaluated in pre-trials in the lab.
Storage	Freezes at 0°C, but is fully usable after thawing and stirring. Shelf life is at least 12 months.

PROPERTIES & USES:

1. AVCO-FINISH VS CONC imparts a special soft and smooth handle to the treated textiles.
2. Imparts excellent hydrophilic and wicking properties to the finished textiles.
3. AVCO-FINISH VS CONC improves dimensional stability and elastomeric recovery of knitted fabrics.
4. AVCO-FINISH VS CONC improves the sew-ability of the treated fabrics.

Technical – Information

5. AVCO-FINISH VS CONC improves wash and wear properties.
6. Non-yellowing on white yarns and fabrics, even when used at curing conditions.
7. Suitable for application in jets, garments washing machines and by padding processes.
8. Imparts good water vapours transmission through the treated textiles.
9. Imparts good re-wetting properties to terry towels and underwear along with excellent handle.
10. Recommended for all types of fibres such as: cotton, viscose, wool, polyester, acrylic, polyamide and all kinds of blends.
11. Can be used together with non-ionic and cationic hydrophilic softeners, and other finishing agents such as resins.

APPLICATION:

AVCO-FINISH VS CONC should be diluted with water at a ratio of 1:2 up to 1:3.

The recommended amount of AVCO-FINISH VS CONC to be applied to the treated textile is determined by the required effect.

TYPICAL RECIPES:

1. Exhaustion method

Apply 1 - 3% of AVCO-FINISH VS CONC is applied in a fresh bath at pH of 5-6.

Temperature: 40°C.

Time: 20 - 30 minutes.

pH: 5 - 6 (adjust with acetic acid).

Hydro-extract and dry.

2. Padding method – cotton and cotton blends

For cotton and cotton blend fabrics apply the following dosages:

Dry / Wet application method: 10 – 30 g/l

Wet / Wet application method: 40 – 100 g/l

For synthetic fabrics apply the following dosages:

Dry / Wet application method: 10 – 20 g/l

Wet / Wet application method: 20 – 50 g/l