

AVCO-FINISH CORE

HYDROPHILIC FINISHING ADDITIVE AND SOFTENER

AVCO-FINISH CORE is a concentrated hydrophilic polymer micro-emulsion. The finish imparts excellent hydrophilicity and a wicking effect which optimizes the moisture management of various types of textile articles. The finish imparts as well a remarkable improved handle and smoothness of the treated textiles.

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

AVCO-FINISH CORE is highly recommended for finishing terry towels, to obtain bulky soft handle with silky smoothness of the finished towels along with good re-wetting properties.

AVCO-FINISH CORE is highly recommended for finishing bed linen fabrics. The treated fabrics absorb the human skin sweat, and the absorbed liquid spreads out quickly and evaporates very fast.

AVCO-FINISH CORE is a non-yellowing. It prevents the tendency of white fabrics to lose whiteness degree at elevated temperatures. The product is not sensitive to residual alkalinity in bleached or dyed cotton yarns and is not sensitive to residues of anionic optical brighteners.

AVCO-FINISH CORE can be applied by padding, spraying and exhaust processes even in high speed jet machines.

AVCO-FINISH CORE has a very low D4 - OLIGOMER CONTENT (< 0.1%) as required by GOTS and by BLUESIGN standards.

SPECIFICATIONS:

Appearance	Almost clear, colourless to very light yellowish liquid.
Chemical nature	Aqueous compound of polymers and nonionic emulsifiers.
Ionic type	Cationic / non-ionic.
Solubility	Miscible with water at any ratio.
pH (1% sol.)	4 - 5
Compatibility	Can be used together with non-ionic and cationic products.
Storage	Freezes at 0°C, but is fully usable after thawing and stirring. Shelf life is at least 12 months.

Technical - Information

PROPERTIES & USES:

1. Imparts excellent hydrophilic and wicking properties to the finished textiles.
2. AVCO-FINISH CORE is producing a finish which is fast to repeated mild washing cycles.
3. AVCO-FINISH CORE imparts a special smooth and soft handle to the treated textiles.
4. AVCO-FINISH CORE is a highly concentrated compound and should be pre-diluted 1:2 - 1:3 before application.
5. AVCO-FINISH CORE improves dimensional stability of knits.
6. AVCO-FINISH CORE improves the sew-ability of the treated fabrics.
7. AVCO-FINISH CORE improves wash and wear properties.
8. Non-yellowing on white yarns and fabrics, even when used at curing conditions.
9. Suitable for application in jets, spraying machines, garments washing machines and by padding processes.
10. Imparts good water vapors transmission through the treated textiles.
11. Imparts good re-wetting properties to terry towels and underwear along with excellent handle.
12. AVCO-FINISH CORE is not sensitive to residual alkalinity in the treated textiles. It can be applied in a wide pH range of 3 – 10.
13. AVCO-FINISH CORE is not sensitive to residues of anionic optical brighteners when applied to bleached cotton fabrics.
14. Recommended for all types of fibres such as: cotton, viscose, wool, polyester, acrylic, polyamide and all kinds of blends.
15. Imparts anti-static properties to synthetic fibres.
16. Can be used together with non-ionic and cationic hydrophilic softeners, and other finishing agents such as resins.
17. Excellent shear stability. Can be applied in high shear jet machines, spraying units and padding ranges.

APPLICATION:

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

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

For improved tailoring and sew-ability, 0.5 - 1.5% o.w.f. are sufficient. If additional wicking effect is required, addition of 1 - 2% is recommended.

Technical - Information

TYPICAL RECIPES:

1. Exhaustion method

Apply 0.5 - 3% of AVCO-FINISH CORE is applied in a fresh bath at pH of 5 - 6. Temperature: 40°C.

Time: 20 minutes.

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

Drying: usual condition.

2. Padding method

Depending on the material and the effect required, apply 10 - 40 g/l of AVCO-FINISH CORE.

Adjust pH of the finishing bath to 5 - 6 (adjust with acetic acid).

Drying: usual condition.

Special fixation process is not required.

3. Application with organic softeners

Apply by padding the following recipe:

AVCO-SOFT HD	20 - 30 g/l
AVCO-FINISH CORE	5 - 10 g/l

4. Application with easy care finish - CO WOVEN

Apply by padding the following recipe:

AVCO-REZ ECO PLUS	40 - 60 g/l
AVCO-SOFT PE	30 - 40 g/l
AVCO-FINISH CORE	20 - 40 g/l

P.U. - 70%

DRY- CURE: 170C 1 MIN.