

## Technical - Information

# AVCO-EXTRASOFT VC

## HYDROPHILIC SILICONE SOFTENER

AVCO-EXTRASOFT VC is a hydrophilic softener, which is used to apply soft handle to the treated fabrics without impairing the absorbency of the fabrics.

AVCO-EXTRASOFT VC imparts a very soft and smooth finishes, particularly suitable for finishing towels and underwear fabrics, and any other textiles that need high quality re-wetting properties.

AVCO-EXTRASOFT VC is especially compatible with resin finishing, it makes the resin film soft and hydrophilic. It is also suitable for soil-release finish.

### SPECIFICATION:

<b>Appearance</b>	Colourless to yellowish, clear liquid.
<b>Chemical nature</b>	Micro emulsion of silicone polymer.
<b>Ionicity</b>	Weak cationic.
<b>Solubility</b>	Soluble in water at any concentration.
<b>pH (as is)</b>	4 – 5
<b>Compatibility</b>	Can be used with all types of chemicals, normally encountered in textile finishing processes.
<b>Storage</b>	Store in a cool place at temperature below 40°C. Solidifies at 0°C. Fully useable after thawing and stirring. When properly stored, shelf life is at least 12 months.

### PROPERTIES & USES:

1. Imparts a very soft, smooth and bulky handle to all types of textiles.
2. Excellent hydrophilic and wicking properties of the treated fabric.
3. Improves soil release properties.
4. Improves comfort in wear of synthetic fabric in close contact with the skin.
5. Improves sew-ability in high speed industrial sewing machines.
6. Reduces surface tension of aqueous finishing liquors and therefore improves wetting out and penetration.
7. Can be used together with all types of organic softeners.
8. Recommended for use in the 'AQUATOR' finishing process. It imparts excellent water vapour transmission through the textile fabrics.

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9. Improves the softness, smoothness and hydrophilic property of resin finished fabric.
10. Does not contain any volatile solubilizer, and does not release any air-polluting ingredients.

### ***APPLICATION:***

AVCO-EXTRASOFT VC can be used in both exhaustion and padding methods.

For improving the sewing ability, uses AVCO-EXTRASOFT VC 0.5 – 1.0 % is enough, For improving the handle, the smoothness of the fabric, should use the dosage around 1.5%.

### ***TYPICAL RECIPES:***

#### **1. Exhaustion:**

Add 0.5 – 1.5% AVCO-EXTRASOFT VC into the finishing bath, pH 5 - 5.5.

Temperature: 40°C.

Time: 20 – 30 mins.

pH 5 – 5.5 (adjusted with AVCO-CID PHS).

Liquor ratio: 1:15 – 1:7.

#### **2. Padding:**

Depending on the materials and the desired effect, uses 5 – 30 g/l AVCO-EXTRASOFT VC, pH should be adjusted to 5 – 5.5.

Curing: 150 – 170°C for 3 – 1 min.