

# AVCO-ELASIL AMS

## ANTI-THERMOMIGRATION SILICONE

AVCO-ELASIL AMS is a new generation textile silicone, designed with a special formulation to avoid the thermo-migration of disperse dyes during heat setting on polyester and its blends.

AVCO-ELASIL AMS also imparts an elegant touch with extraordinary softness, slickness and bulkiness to the finished fabrics.

### SPECIFICATION:

<b>Appearance</b>	Clear to semi-transparent liquid.
<b>Chemical nature</b>	Polyether block silicone.
<b>pH (as is)</b>	5 - 6
<b>Ionic nature</b>	Weak cationic
<b>Solubility</b>	Miscible with water at any ratio.
<b>Compatibility</b>	<ul style="list-style-type: none"> <li>a. Good with cationics and nonionics.</li> <li>b. Compatibility with anionic products should be tested in lab before use.</li> <li>c. Stable at neutral and acidic conditions.</li> </ul>
<b>Storage</b>	Shelf life is at least 6 months if properly stored. Do not store in direct sun. Sensitive with frost .

### PROPERTIES & USES:

1. Imparts smooth, soft, bulky handle, very good for synthetic fabrics.
2. AVCO-ELASIL AMS has a linear block silicone structure, so little or no yellowing.
3. AVCO-ELASIL AMS has self-dispersing property, can be easily diluted with water to any ratio without using any emulsifier.
4. AVCO-ELASIL AMS improves elasticity and shape recovery of knitted goods.
5. Good emulsion stability, hence it is easy handling and can be used alone or in combination with organic softeners.
6. Can be used together with OBA in finishing bath, but should be tested in Lab before use.
7. With special formulation, the product limits or eliminate the thermo- migration of disperse dyes during finishing process.
8. AVCO-ELASIL AMS is applied by padding and by exhaustion.
9. Excellent suitability for high speed padding application. The rollers of the padding machine can be cleaned very easily without any rubbery residues on the metal surface.

**APPLICATION:**

AVCO-ELASIL AMS is applied by padding technique processes on finishing machines, and exhaust processes on garment dyeing machines.

The application on high speed Jet dyeing machine and with highly shearing pumps should be pretest.

**1. For application by exhaustion use the following procedure:**

- a. Add water
- b. Adjust pH to 5 – 5.5 with acetic acid.
- c. Add AVCO-ELASIL AMS.
- d. Treat for 20 minutes at 40°C

**2. For application by padding use the following procedure:**

- a. Add water
- b. Adjust pH to 5-6 with acetic acid (0.2- 0.5 g/l).
- c. Add AVCO-ELASIL AMS.
- d. Add other finishing agents (check for compatibility).
- e. Pad, and dry.

AVCO-ELASIL AMS does not need any catalyst or special curing.

**3. Combination with organic softeners:**

AVCO-ELASIL AMS can improve very much the handle and sewability of fabrics treated with organic softeners.

It can be used with nonionic and with cationic softeners as well.

For finishing high quality bed sheeting and upholstery fabrics use:

AVCO-ELASIL AMS	15 – 20 g/l
AVCO-SOFT CSNY	30 – 50 g/l