

## AVCO-PRET OL

COMPOUND FOR SPRAYING AND COATING FABRICS AND READY MADE GARMENTS

AVCO-PRET OL is an aqueous compound of polymers which is producing a soft, highly shiny, elastic and flexible film with good light fastness and excellent mechanical properties.

AVCO-PRET OL is used for producing transparent bright and shiny elastic coating on ready made garments for fashion wear and for technical applications.

### SPECIFICATION:

<b>Appearance</b>	White, slightly viscous liquid.
<b>Chemical nature</b>	Aqueous dispersion of aliphatic polyester-polyurethane co-polymer and organo modified polydimethyl-siloxane polymers.
<b>Ionicity</b>	Anionic
<b>pH (as is)</b>	6.5 – 8.5
<b>Solubility</b>	Miscible with water at any ratio.
<b>Density (gr/cc)</b>	App. - 1.1
<b>Viscosity</b>	20 - 70 sec. at 25°C (Ford cup ,4 mm)
<b>Compatibility</b>	<ol style="list-style-type: none"><li>1. Is not compatible with electrolyts, cationics, heavy metal ions, acids and strong alkaline products.</li><li>2. Pre-check compatibility of any additive added to the product.</li></ol>
<b>Storage</b>	<ol style="list-style-type: none"><li>1. Sensitive to frost. After freezing product can not be restored and reused.</li><li>2. Store in tightly closed drum. Do not store in direct sun.</li><li>3. When properly stored, shelf life is at least 12 months.</li></ol>

### PROPERTIES & USES

1. AVCO-PRET OL is producing upon drying soft, elastic, flexible, highly shiny and clear film on the coated fabrics with good washing and dry cleaning fastness properties. The washing fastness can be improved even more by cross-linking the film with a suitable cross-linking additive. The coated film is non tacky at low application loads.

2. AVCO-PRET OL is suitable for application by spraying, direct coating and foam.
3. Coating on all types of absorbent textiles.
4. The viscosity of the AVCO-PRET OL can be adjusted with suitable thickeners.
5. AVCO-PRET OL can be tinted with aqueous pigment dispersions.
6. AVCO-PRET OL is an aqueous dispersion, and does not evaporate harmful organic solvents during application and drying.
7. AVCO-PRET OL is recommended for coating out-wear, fashion-wear, denim and twill garments.
8. AVCO-PRET OL can be used in mixtures with resins to produce permanent creases
9. In ready made garments.
10. AVCO-PRET OL can be used for sticking textile patches to ready made garments.

*APPLICATION:*

**I. COATING and SPRAYING**

1. When required tint AVCO-PRET OL with AVCOLOR pigment dispersions.
2. The viscosity of AVCO-PRET OL can be adjusted by adding AVCO-VISCOL VPU (0.2 – 1.5%).
3. To avoid bubbles in the coating or spraying compound add a de-foaming agent such as AVCO-ANTIFOAM NS 300 (0.2 - 0.5 g/kg).
4. It is possible to modify the final handle of the coated textile by incorporating a special plasticizer. Add up to 4% of AVCO-SIL MA HC.
5. For improving washing fastness of the coated textile add 1% AVCO-FIX COAT IWF on the weight of the AVCO-PRET OL. After adding the cross linking additive, the pot life of the mixture is app. 8 hours and should be used within this time. Full cross linking effect is achieved in 4-5 days. Elevated drying temperatures do not fasten the cross linking process.
6. Spray or coat and dry completely to evaporate any residual water. It is possible to shorten drying time by elevating the temperature.
7. Spraying and coating equipments should be washed and dried in the normal procedure. During long stoppage in the spraying process, nozzles should be wrapped with a wet rug, or should be removed from the machine for cleaning and drying before further used.
8. For producing highly bright and shiny appearance of the coated textile, it is recommended to press or calender it at elevated temperature (195 - 205 °C).
9. For producing opaque or white coat add up to 25% AVCOLOR WHITE TD.
10. Residues of coloured compound (without cross linking additive) can be mixed for re-using in any desired colour recipe. When residue of AVCO-PRET OL is stored for long time, the product should be kept in tightly closed drum.
11. Before reusing, the paste should be re-homogenized and filtered.

## II. Spraying recipe for application on ready made garments.

AVCO-PRET OL	940 – 980 g/l
AVCO-SIL MA HC	0 – 40 g/l
AVCO-VISCOL VPU	2 – 10 g/l
AVCOLOR PIGMENTS	X %
AVCO-FIX COAT IWF	<u>10</u> g/l
	1000

1. Spray over the garments the desired amount of the spraying compound (app. 100 – 150 g/ piece).
2. Dry in the oven at 80 – 100 °C.
3. If necessary repeat the spraying process twice.
4. Hot press at 195 - 205 °C.

### Remarks:

1. Take care to spray the compound on completely clean garments, free of any dirt or other finishing additives.
2. The garment surface should be smooth and free of any fuzz and hairiness. If necessary pre-treat the garments with a bio-polishing enzyme to improve surface smoothness.

## III. Recipes and application technique for foam coating and for direct paste coating.

Should be adjusted to the available coating machines.

Please consult AVCO VIETNAM COMPANY representative for recommending the optimal recipes.