

AVCO-PRET LACK

COMPOUND FOR SPRAYING AND COATING PRE-DYED FABRICS AND GARMENTS

AVCO-PRET LACK is an aqueous compound of polymers and special hiding additives, designed for spraying and coating on the surface of pre-dyed garments and fabrics.

After tinting the product with aqueous pigment dispersions to the desired colour, the coloured coated film produced is bright, shiny, elastic and flexible with good light fastness and excellent mechanical properties. The hiding additives included in the products are masking the colour of the textile fabric and thus enable to obtain bright colours on top of the back ground of pre-dyed textiles.

White coating pastes containing titanium dioxide are good opacifying pigments with excellent coverage properties. But these white pigments are causing "fading out" of organic pigments added to them, "reds" become pink and "blues" produce sky blue. Coating with AVCO-PRET LACK does not affect much the original shade of the added pigment.

SPECIFICATION:

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| Appearance | White, slightly viscous liquid. |
| Chemical nature | Aqueous compound of aliphatic polyester-polyurethane copolymer, thickeners, defoaming agents and inorganic fillers. |
| Ionicity | Anionic. |
| pH (as is) | 6.5 – 8.5 |
| Solubility | Miscible with water at any ratio. |
| Density (gr/cc) | App. - 1.05 |
| Viscosity | 25 - 35 dPa.s (Haake viscotester). |
| Compatibility | <ol style="list-style-type: none"> 1. Is not compatible with electrolyts, cationics, heavy metal ions, acids and strong alkaline products. 2. Pre-check compatibility of any additive added to the product. |
| Storage | <ol style="list-style-type: none"> 1. Sensitive to frost. After freezing product can not be restored and reused. 2. Store in tightly closed drum. Do not store in direct sun. 3. When properly stored, shelf life is at least 12 months. |

Technical - Information**PROPERTIES & USES**

1. AVCO-PRET LACK is producing upon drying soft, elastic, flexible, highly shiny and 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. The use of AVCO-PRET LACK with transparent pigments, produces strong visible and bright coloured areas, even when coated on dark blacks and navy blues.
3. AVCO-PRET LACK is suitable for application by spraying and coating and on all types of absorbent textiles.
4. The viscosity of the AVCO-PRET LACK can be adjusted with suitable thickeners.
5. AVCO-PRET LACK can be tinted with aqueous pigment dispersions.
6. AVCO-PRET LACK is an aqueous dispersion, and does not evaporate harmful organic solvents during application and drying.
7. AVCO-PRET LACK is recommended for coating out-wear, fashion-wear, denim and twill garments.

APPLICATION:**I. COATING and SPRAYING**

1. Tint the AVCO-PRET LACK with AVCO-LOR pigment dispersions.
2. The viscosity of AVCO-PRET LACK can be adjusted by adding AVCO-VISCOL VPU.
3. 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.
4. For improving washing fastness of the coated textile add 0.5 - 1% AVCO-FIX COAT IWF on the weight of the AVCO-PRET LACK. 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.
5. Spray or coat and dry completely to evaporate any residual water. It is possible to shorten drying time by elevating the temperature.
6. 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.
7. For producing highly bright and shiny appearance of the coated textile, it is required to press or calander it at elevated temperature (180 - 205°C).
8. Residues of coloured compound (without cross linking additive) can be mixed for re-using in any desired colour recipe. When residue of AVCO-PRET LACK is stored for long time, the product should be kept in tightly closed drum. Before reusing, the paste should be re-homogenized and filtered.

Technical - Information

II. Spraying recipe for application on ready made garments.

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| AVCO-PRET LACK | 940 – 980 | g/l |
| AVCO-SIL MA HC | 0 – 40 | g/l |
| AVCOLOR PIGMENTS | X | % |
| AVCO-FIX COAT IWF | <u>5 – 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.
3. 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 for recommending the optimal recipes.