

AVCO-FIX COAT IWF

CROSS LINKING AGENT FOR SPRAYING AND COATING FABRICS AND READY MADE GARMENTS

AVCO-FIX COAT IWF is a cross-linking agent, mainly used to improve the wash fastness of fabrics or garments treated with shiny effect. The product contains in its molecule several reactive sites, that can bond together the coating film and the textiles fibres. Full cross linking effect is achieved in 4-5 days.

SPECIFICATIONS:

Appearance	Clear, colourless, slightly viscous liquid
Chemical nature	Blend of highly etherified methylol melamine compound and solubilizers.
Ionicity	Nonionic
Solubility	Not soluble in water, can be dissolved in organic solvents and alcohols.
Compatibility	Is not resistant to acids and to strong alkalis
Storage	Do not store in direct sun and in hot places. stable for at least 12 months.

PROPERTIES & USES:

1. AVCO-FIX COAT IWF is used in combination with the hiding additives, such as SYNTO-PRET LACK to improve the washing fastness of the coated film on fabrics or garments made from synthetic fibres, cellulosic fibres and blends.
2. After adding AVCO-FIX COAT IWF, the coating pastes must be used in app. 8 hours.
3. AVCO-FIX COAT IWF is a concentrated product.
4. AVCO-FIX COAT IWF is a non-yellowing product which does not affect the colour of the coloured coated film.
5. AVCO-FIX COAT IWF is suitable for application by spraying and coating on all types of absorbent textiles.

APPLICATION:

I.COATING and SPRAYING

1. When required tint AVCO-PRET OL /AVCO-PRET LACK with AVCOLOR pigment dispersions.
2. The viscosity of AVCO-PRET OL /AVCO-PRET LACK 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).

Technical – Information

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 / 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.
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 calander it at elevated temperature (195 - 205 °C)
9. Residues of coloured compound (without cross linking additive) can be mixed for re-using in any desired colour recipe. When residue of SYNTOL-PRET OL is stored for long time, the product should be kept in tightly closed drum. Before reusing, the paste should be re-homogenized and filtered.

II. Spraying recipe for application on ready made garments.

AVCO-PRET OL / AVCO-PRET LACK	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 g/l</u>
	1000

1. Spray over the garments the desired amount of the spraying compound (app. 100–150g/ 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 for recommending the optimal recipes.