

## Technical - Information

# AVCO-PROTECT UVP

### ULTRAVIOLET ABSORBER

AVCO-PROTECT UVB is a UV absorber which can be applied to cotton, hemp, viscose, wool and polyester fiber and its blended fabrics.

AVCO-PROTECT UVB is reducing the permeability of treated fabrics to UV rays, give the fabric obvious UV shielding effect and it is washable.

### SPECIFICATIONS:

<b>Appearance</b>	Light brown liquid.
<b>Chemical nature</b>	Macromolecule polymer.
<b>Ionic type</b>	Cationic.
<b>Solubility</b>	Miscible with water. To ensure the homogeneity of the product, stir before use.
<b>pH (1% sol.)</b>	5
<b>Compatibility</b>	Compatible with nonionic and cationic products. Incompatible with anionic agents.
<b>Storage</b>	Protect from frost, heat and direct sunlight. Store at room temperature with original containers. When properly stored, stable for at least 12 months.

### PROPERTIES & USES:

1. AVCO-PROTECT UVP is reducing the permeability of treated fabric by UV radiation have the wavelength of 290 – 400nm (UVS-A and UVS-B which is harmful to human body of UV ray).
2. AVCO-PROTECT UVP can improve the light fastness of dyed fabric, especially polyester fabric.
3. AVCO-PROTECT UVP can improve the light fastness of some disperse dyes.
4. AVCO-PROTECT UVP can be applied by padding and by exhaust procedures.
5. AVCO-PROTECT UVP is eco-friendly product, free formaldehyde, excluding APEO very low COD value. It can reduce the waste water COD and decolorizing chemicals, leads to waste water treatment easier and less treated cost.
6. The product has small influence on the the handle and shades of the treated goods.
7. The product is no smell, harmless to skin, conform to the requirement of high grade textile.
8. AVCO-PROTECT UVP has anti-static, anti-microbial properties and radiation protection performance.

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### ***APPLICATION:***

#### **1. Impregnation method:**

AVCO-PROTECT UVP is used after dyeing process.

Recommended dosage: 3 – 5%

Liquor ratio: 1:10

Impregnating: 10 – 20 minutes.

Drying and curing.

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

Recommended dosage: 30 – 50 g/l

Drying and curing.

### ***REMARKS:***

Customers need to adjust the dosage according to different fabric (high dosage to light and thin fabric).