AVCOchem®

AVCO-FIX IF

FIXING AGENT FOR INDIGO /SULPHUR DYES ON DENIM

AVCO-FIX IF is a high quality fixing agent specially for fixing indigo or sulphur dyes on denim on a slasher machine.

AVCO-FIX IF is resistant to washing and dry cleaning and also stable to sodium hypochlorite bleaching. It can be applied by brush, printing, spray or dipping process of denim fabric.

SPECIFICATION:

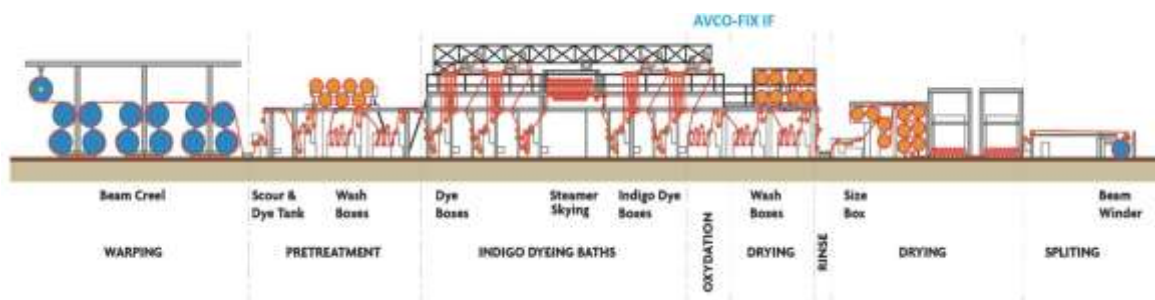|	
Appearance	Clear amber liquid.
Chemical nature	Modified Polyamide polymer.
Ionic nature	Cationic.
pH (as is.)	4.0 – 6.0
Solubility	Easily soluble with water.
Compatibility	Good with cationic and non-ionic products.
Storage stability	Store at a temperature between $10 - 35^0$C. Do not store in direct sun. Stable for at least 12 months.

PROPERTIES & USES:

1. AVCO-FIX IF is readily pourable, soluble in water and compatible with cationic and nonionic products.

2. AVCO-FIX IF ensures to avoid staining during washing processes.

3. AVCO-FIX IF reduces the tendency of the shade to get heavier as the color build up in the finishing bath.

4. AVCO-FIX IF reduces bleeding of the indigo/sulphur dyestuff during the finishing operation thanks to the application of the fixative to the dyed yarn.

APPLICATION:

The degree of fixation required and the point at which the fixative is applied depends largely on the look desired in the washed garment.

AVCO-FIX IF could be added in the indigo slasher dyeing machine after the dyeing step in the tanks as following (see figue below):

Technical - Information

THE INDIGO SLASHER DYEING MACHINE

- ❖ First tank :   Rinse tank
- ❖ Second tank :   10 g/l H_2O_2

  1 g/l Acetic acid
- ❖ Third tank :   60 g/l AVCO-FIX IF

  0.5 g/l Acetic acid
- ❖ Sizing
- ❖ Drying

1. **Exhaust process:**

   Usual dosage :   0.5 – 1 (o.w.f)

   pH   5.0 – 6.0

   Treat at 40 – 60°C for 20 – 30 min.

2. **Pad process:**

   Usual dosage :   5 – 30 g/l

   For actual application, the process should be adjusted according to correspondent preliminary tries.

   AVCO-FIX IF can be used with other finishing agents in the finishing bath, but it should be pretested with all ingredients before use.