

## AVCO-REZ FFR

*FREE FORMALDEHYDE REACTIVE RESIN FOR EASY-CARE FINISHES AND PERMANENT CREASE PRESS*

AVCO-REZ FFR is a high quality pre-catalysed resin without formaldehyde, designed to produce durable crease resistance and dimensional stability to cellulosic and polyester cotton fabrics.

AVCO-REZ FFR is also special used to increase value of garments by creating smooth and permanent wrinkle at a certain portion of the garment and particularly on denim. The effect is stable to chlorine and multiple home launderings.

### *SPECIFICATION:*

<b>Appearance</b>	Yellowish liquid
<b>Chemical nature</b>	Modified maleic acid based resin
<b>Ionic type</b>	Anionic
<b>Ph (as is)</b>	2.0 – 3.0
<b>Solubility</b>	Dilutable in cold water in any proportion.
<b>Storage</b>	Stable at normal storage conditions for at least 12 months.

### *PROPERTIES:*

1. AVCO-REZ FFR has a very good cross-linking property, used for the resin finishing of woven and knitted cellulose fibres and their blends
2. Applied by normal dry crosslinking methods on fabric
3. Gives "wash and wear" effects durable to washing.
5. Gives chlorine resistant finishing
6. AVCO-REZ FFR is readily pourable, soluble in water and compatible with nonionic and anionic products.
7. AVCO-REZ FFR ensures : excellent dry scorch resistance, excellent shrinkage control, excellent fabric smoothness.
8. AVCO-REZ FFR gives minimum effect on shades, and drops the tearing strength < 20%
9. For denim, the garment treated by AVCO-REZ FFR could also be bleached right after permanent crease process which is not the case when treated with other resins than AVCO-REZ FFR.
10. Because of high reactivity , an increase of stenter frame speed is possible for approx. 10%.

## Technical – Information

### APPLICATION:

#### I. For fabric by padding method :

Product	100% cotton fabric
AVCO-REZ FFR	40-70 g/l
Avco-soft PE	20-30 g/l
Avco- elastogum 230 new	20-30 g/l
Soda ash	Adjust pH 3.8
Pick up	60-80 %

Curing 150-170°C      60-sec

#### II. For garment :

Two existing methods of application of AVCO-REZ FFR are possible:

1. By total immersion of the garment in the solution and drain.
2. To be applied by spraying system

Wrinkle and crease on the garment has to be created then manually. Then fabric is dried and cured between 150-170°C for 15 min

Recommended dosage:

The goods could be treated with the following concentrations hereby:

- AVCO-REZ FFR      180 g/l
- Adjust to pH 3.8 with Soda Ash.
- Create manually creases on the garments.
- Dry and cure between 150-170°C for 15 min
- AVCO-REZ FFR could be applied on finish garments or on grey before stone washing and bleaching steps.