

Technical - Information

AVCO-CATALYST PMC

CATALYST FOR RESIN FINISHING OF CELLULOSIC FABRICS

AVCO-CATALYST PMC is a catalyst used resin finishing with DMDHEU and DMI resins.

Use of AVCO-CATALYST PMC enables lower curing temperatures or shorter fixation times than with usual catalysts.

SPECIFICATIONS:

Appearance	Clear, yellowish liquid.
Chemical nature	Aqueous solution containing organic and inorganic acid donors.
Density (gr/cc)	1.17 – 1.21
Solubility	Soluble in water at any ratio.
pH (1%)	3 - 4
Compatibility	1. Is not compatible with alkaline products. 2. Is not compatible with phosphate and carbonate salts.
Storage stability	When stored in closed original packages, shelf life is at least 12 months.

PROPERTIES & USES:

1. Catalyst for glyoxal (DMDHEU) resins as well as for non-formaldehyde resins (DMI).
2. High buffering capacity at pH range of 5 - 6.
3. Non – volatile preparation. Does not cause any corrosion to the stenter or other machines.
4. Liquid product, can be dosed with automatic dosing machines.
5. Non-foaming at all.
6. Non-flammable and non-toxic, with very low irritating effect due to the very mild acidity.
7. Non-corrosive to fibres sensitive to mineral acids.
8. Can be used with nonionic and cationic softeners and other finishing agents.

APPLICATION:

Add AVCO-CATALYST PMC to the resin finishing bath as the final component.

Apply 25 - 30% on the amount of the resin.

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FINISHING RECIPES:

1. Finishing recipe for 100% cotton with low content of free formaldehyde (<75 ppm)

AVCO-REZ ECO CONC	30 - 90 g/l
AVCO-SOFT PE	10 - 40 g/l
AVCO-ELASTOGUM 230 new	10 - 40 g/l
AVCO-CATALYST PMC	20 - 30 g/l

Pad, dry and cure at 150°C for 3 minutes, or at 180°C for 45 - 60 seconds.

2. Finishing recipe for 100% cotton with zero free formaldehyde.

AVCO-REZ ECO CONC	20 - 50 g/l
AVCO-SOFT PE	10 - 30 g/l
AVCO-ELASTOGUM 230 new	10 - 30 g/l
AVCO-CATALYST PMC	10 - 25 g/l

Pad, dry and cure at 160°C – 170°C for 60 - 45 seconds.