

ECCO™ RESIN M-300

CLASSIFICATION Methylated methylol melamine resin.

SPECIFICATIONS

Appearance	- Clear colorless viscous liquid
pH (2% solution)	- 8.0 ± 0.5
Solids Content	- 76.0 ± 1.0%
Solubility in water solutions	- Readily soluble to give clear solutions
Density	- 10.5 lbs/gallon

GENERAL COMMENTS

ECCO RESIN M-300 is a monomeric melamine resin designed for use in textile finishing. This resin will provide wrinkle recovery, shrinkage control and stability to cellulosic fabrics, such as cottons, viscose and blends of these fibers. ECCO RESIN M-300 will give a permanent effect when used in embossing and schreinerling of cotton fabrics and results in minimum odor problems during processing or on fabrics.

This resin imparts durable stiffness and stability to synthetic hydrophobic materials such as nylon, polyester and acrylic fibers. In addition to stiffness this product will give a full-bodied desirable hand.

ECCO RESIN M-300 is compatible with a variety of resins and softeners currently used in textile finishing. Normal curing with a catalyst is required.

APPLICATION

ECCO RESIN M-300 is applied by conventional methods, such as padding from a water solution with catalyst, followed by drying and curing.

The use of **CATALYST RD LIQUID** is suggested. With respect to concentration, we recommend using 1% catalyst on the resin bath or 10% catalyst on the resin solids, whichever gives the greater amount. Curing conditions of 300 -310°F for 3 minutes are suggested for optimum results.

Applications will vary according to the resulting finish desired on the fabric. Examples of typical formulations are as follows:

COTTON - wrinkle recovery:

52 lbs. **ECCO RESIN M-300**
15 lbs. **ECCOSOFT C-200**
8 1/2 lbs. **CATALYST RD LIQUID**
100 gallons total

COTTON - embossing & schreinerling:

106 lbs. **ECCO RESIN M-300**
25 lbs. **ECCOSOFT C-200**
8 1/2 lbs. **CATALYST RD LIQUID**
100 gallons total

ALL VISCOSE Fabrics and blends - wrinkle recovery:

105 lbs. **ECCO RESIN M-300**
140 lbs. **ECCO REZ GBC-100**
15 lbs. **CATALYST RD LIQUID**
100 gallons total

NYLON NETTINGS - structural stiffness & resilience:

415 lbs. **ECCO RESIN M-300**
8 lbs. Di-Ammonium Phosphate
100 gallons total