

## ECCO™ RESIN BINDER 4501

### CLASSIFICATION

Vinyl acrylic emulsion for textile applications

### PROPERTIES

<b>Appearance</b>	- White, slightly viscous emulsion.
<b>pH (5% solution)</b>	- 4 typical
<b>Solids Content</b>	- 46%
<b>Density</b>	- 9.0 lbs/gallon
<b>Viscosity cps @ 25°C</b>	- 100 typical

### GENERAL COMMENTS

**ECCO™ RESIN BINDER 4501** is a self-crosslinking, nonionic, modified acrylic polymer that provides excellent crock and fastness properties, stiffening and firmness of hand to textile fabrics and also improves the tensile strengths of treated fabrics. The deposited film is thermosetting. This product is compatible with most finishing, pigment dyeing and printing formulations.

**ECCO™ RESIN BINDER 4501** is an excellent hand builder for all narrow fabrics. It has exceptional bonding strength to prevent fraying and for bonding fibers and yarns.

This product shows excellent mechanical stability to high speed shearing and deposits a clear, tough film, resistant to heat and light discoloration.

### APPLICATION

For pigment pad dyeing or printing use 3-4 parts of **ECCO™ RESIN BINDER 4501** for each part of pigment to obtain optimum crock and fastness properties. Drying and curing at 300-325°F will provide best crock and fastness properties.

For textile stiffening, the amount applied will vary with the stiffening required. A range of 2-8% will usually provide the desired hand and firmness.

When applied in conjunction with water repellent finishes, we suggest that no more than 4% be applied, as excesses may tend to depress spray ratings.

For maximum stiffness, dried treated goods should be heated to 250°F minimum for 1-2 minutes.

**ECCO™ RESIN BINDER 4501** finds application in narrow fabrics, backing for non-woven where maximum stiffness and durability is required.

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