

ECCO™ REZ FRU-55

CLASSIFICATION

Soft, Waterborne flame retardant polyurethane dispersion. FRU-55 has excellent UV resistance and low temperature flex crack resistance.

PROPERTIES

Appearance	Medium viscosity, off white to translucent dispersion
% Solids	35 ± 1.0
lbs/gallon	8.8
pH	6.5 - 9.5
Viscosity cps @25°C	50 - 500
Elongation	610%
Tensile Strength	3600 psi
100% modulus	550 psi
200% modulus	680 psi.
300% modulus	890 psi.

GENERAL COMMENTS

ECCO™ REZ FRU-55 is a uniquely compounded non flammable aliphatic urethane aqueous dispersion. This product produces excellent adhesion, a high degree of flexibility, abrasion resistance, and chemical and water resistance for textiles, rubbers, plastics and metal surfaces.

ECCO™ REZ FRU-55 is excellent as a clear coat for fabrics, rubbers, plastics and metals.

ECCO™ REZ FRU-55 can be compounded with pigments to provide a non-combustible coating to nylon, polyester and blended fabrics that meet requirements of NFPA-701, MVSS#302, California Title 19 and CPAI84 and other FR specifications.



APPLICATION

Reduce with water to desired solids - apply by spray, dip, flow coater, brush or knife over roller. Apply 5 to 30% by weight of FRU55.

Application levels above 30% should be supplemented with the addition of 10% EccoShield N-100 for nylon.

Dry and cure for 1-5 minutes @ 200-300°F.

ECCO™ REZ FRU-55 may be crosslinked with ECCO CROSSLINKER AP-900, to increase film properties.

Apply 10-15 mils wet (3½ to 5½ mils dry). Allow to air dry 8-12 hours. Final cure requires 3-7 days depending upon humidity and temperature.