



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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435PU & 435PU/HS

General:

A liquid external release agent that dries at room temperature forming a monomolecular film. Several demoldings per application of release agent can be expected. Some transfer of release is expected, therefore secondary bonding and painting may need cleaning before post bonding and/ or painting.

Uses:

FRP, Fiberglass, Novolac Resins, Polyurethane, Epoxy, Rubber, and Polyester

Composition:

Proprietary resin emulsion of release agents in a solvent solution.

Application Instructions:

Clean mold with CleanWiz®. Porous FRP mold surfaces may require Melax® mold sealer and conditioner for thermoset applications. CR-200S Mold Sealer is recommended for polyurethane applications. Apply mold release with a 100%, bleached white, cotton cloth. Wipe on uniformly using a circular motion. Allow to dry. Generally, two to three coats should be applied. 435PU/HS is higher in solids for more challenging molding applications.

Note: If spray coating is preferential for larger molds, or heated molds, 435PU or 435PU/HS can be sprayed. A finely atomized spray should be used to apply a thin, even film to the mold surface.

TYPICAL PROPERTIES:

435PU:

SOLIDS:	8 – 12%
COLOR:	Clear
SPECIFIC GRAVITY:	0.725 @ 25°C
VISCOSITY:	<50 cps @ 25°C
pH:	N/A
FLASH POINT:	Flammable
SHELF LIFE:	Minimum of one year

435PU/HS

SOLIDS:	12 - 16%
COLOR:	Clear
SPECIFIC GRAVITY:	0.725 @ 25°C
VISCOSITY:	<50 cps @ 25°C
pH:	N/A
FLASH POINT:	Flammable
SHELF LIFE:	Minimum of one year