



Polytek® Release Agents, Sealers & Adhesives

Technical Reference Chart

Release Agents & Sealers for Mold Making

PRODUCT	SEALER	RELEASE AGENT	DESCRIPTION
Pol-Ease® 2300 Release Agent		X	Silicone-based, aerosol spray release agent for use on non-porous or sealed models. Should only be used with polyurethane rubber.
Pol-Ease® 2500 Release Agent		X	Aerosol spray release agent that can be washed off of models. Can be applied to models for use with liquid silicone rubbers, but is not recommended for use with liquid polyurethane rubber.
Pol-Ease® 2350 Release Agent	X	X	White petrolatum dissolved in mineral spirits. This semi-permanent option can serve as a sealer and/or release agent. Can be applied to models for use with liquid polyurethane and liquid silicone rubbers.
Pol-Ease® 2450 Release Agent		X	Solvent and silicone-based release agent for use on models before pouring liquid polyurethane rubber. Fast drying, but flammable.
Poly PVA Solution	X	X	Water-soluble, alcohol-based sealer for porous models. Available in clear or green. Can be applied to models for use with liquid polyurethane and liquid silicone rubber. Must use additional release agent (Pol-Ease® 2300) when applying polyurethane rubber.
PolyCoat Sealer & Release Agent	X	X	Semi-permanent, silicone-based sealer and release agent. Can be applied to models for use with polyurethane and platinum-cured silicone rubbers (not recommended for use with tin-cured silicone rubbers).

Release Agents & Sealers for Casting

PRODUCT	DESCRIPTION
Pol-Ease® 2300 Release Agent	Silicone-based, aerosol spray release agent. Apply to cured polyurethane molds when casting a variety of materials, including polyurethane liquid plastics, rubber or epoxies.
Pol-Ease® 2500 Release Agent	Aerosol spray release agent that can be washed off of castings. To extend mold life, apply to silicone molds when casting materials such as polyurethane plastics, polyurethane rubbers or epoxies (release agent is generally not necessary when casting these materials in silicone molds, but application will extend mold life). Use this release agent when casting liquid silicone into silicone molds.  Can also be sprayed into polyurethane molds before casting polyurethane liquid plastics, but the molds will not last as long as they would if Pol-Ease® 2300 was used. The main reason for using Pol-Ease® 2500 in a polyurethane mold would be to cast a part that can be cleaned more easily – useful if the casting needs to be painted.
BC 1000 Release Agent	Universal silicone-based aerosol release agent. Specifically formulated for the release of both low and high temperature cured urethanes from metal and plastic molds. It is also suitable for use in molding epoxies and Viton®.
Pol-Ease® 2650 Release Agent	Silicone-free, oil-based release agent designed for use when casting concrete or plaster. After application, no drying time necessary prior to casting. Should only be applied to cured polyurethane rubber molds.
Poly PVA Solution	Water-soluble, alcohol-based sealer available in clear or green. Can be applied to cured polyurethane rubber molds as a “barrier coat” and is most often used (in conjunction with Pol-Ease® 2300) when casting polyester resin.
PolyCoat Sealer & Release Agent	Semi-permanent, silicone-based sealer and release agent. Can be applied to aging silicone molds to improve performance and extend their useful life. Can also be applied to firm polyurethane rubber molds to give them a thin silicone skin on the mold face. This can allow materials such as polyurethane plastics or foams that would ordinarily require releases to be cast into dry polyurethane molds at a reduced cost.
Pol-Ease® 2750 Latex Release Agent	A release agent designed specifically for use when casting concrete into latex rubber molds and will result in easier demolding of concrete parts and improved mold life. Should only be applied to latex molds.

Adhesives

PRODUCT	DESCRIPTION
PolyBond Polyurethane Adhesive   <i>Mold Repair Adhesive</i>	PolyBond is a polyurethane adhesive that's great for repairing torn polyurethane molds. PolyBond has a 1A:3B mix ratio (by weight), ~3 minute working time and ~15 minute cure.
EpoxyBond Adhesive   <i>Bond Rubber to Porous Surfaces</i>	EpoxyBond Adhesive^ is a low viscosity, epoxy adhesive most often used to bond rubber molds to porous materials such as plywood, concrete and plaster. EpoxyBond has a 1A:1B mix ratio, a long working time of 120 minutes and a cure time of 24 to 48 hours.

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