

The top half of the image features a dark background with several bright green, translucent skateboard wheels in the foreground. A single white wheel is visible in the background. The Axel logo is positioned in the top left corner.

AXEL

solutions for polyurethanes

internal & external mold releases

Manufacturers of advanced polyurethane products understand the importance of delivering finished goods with superior structural and surface quality. Our PU releases are designed to keep molds running cleaner for longer, reducing downtime and enhancing productivity.



solutions for polyurethanes

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	Product Type	Product Name	Description
Mold Cleaners	Waterborne Stripper	XTEND® Aqua Clean 521	Non-flammable, non-corrosive water-based stripper designed for removing semi-permanent release agents. Also suitable for removing other types of mold residue, including silicone contamination and residue from many mold polishes and compounds. Contains micro abrasive that will not harm polished surfaces.
	Premium Solvent-based Cleaner	CleanWiz® UC303	Removes urethane build-up from molds and spray equipment. Penetrates, dissolves, and removes urethane foam deposits. Dissolves all types of urethanes (flexible, rigid, elastomer, molded, TDI or MDI based). Removes also other resins including epoxides and polyesters, particularly if heated. May be applied to warm molds.
	Solvent-based Cleaner	XTEND® CX-525	Ideal for cleaning resin buildup in closed molding operations. May be applied to warm molds. Also suitable for resin removal in open molding, particularly in non-skid or textured areas.
	Solvent-based Gel Cleaner	XTEND® CX-250GC	Thickened version of UC303. Removes urethane build-up from molds. Penetrates, loosens, and removes urethane foam deposits. Dissolves different urethanes (flexible, rigid, elastomer, molded, TDI or MDI based). Removes also other resins including epoxides and polyesters, particularly if heated.

	Product Name	Description	Application
Internal Mold Releases	MoldWiz® INT-120IMC	Internal release for in-mold coatings PU and polyureas.	For use on all types of molds. When used on RTV molds, it acts as a protective barrier coat greatly extending the life of the molds. Does not contain any silicones or waxes and will not interfere with any secondary operations such as decorating, bonding, plating, etc. It is not necessary to wash molds between applications. Silicone free.
	MoldWiz® INT-1681/OG	Optical grade release for cast PU for protective eyewear. Synergistic blend of organic fatty acids, esters, amines and wetting agents.	Used for aliphatic and cycloaliphatic isocyanates for protective eye wear. Process aid additive and mold release with anti-static properties incorporated directly into the resin to eliminate the need for an external mold release agent.
	MoldWiz® INT-1948MCH	For aromatic polyurethane pultrusion.	Process aid additive designed specifically for pultrusion of polyurethane resins.
	MoldWiz® INT-1960MCH	For aliphatic polyurethane pultrusion.	Process aid additive designed specifically for pultrusion of polyurethane resins.
	MoldWiz® INT-1968RAC	For aromatic and some aliphatic polyurethane pultrusion. Synergistic blend of modified polymers, organic fatty acids, esters, waxes and amines.	Process aid additive designed specifically for pultrusion of polyurethane resins.
	MoldWiz® INT-1940RTM	Release additive for RTM, infusion, or other closed-molded PU processes. Synergistic blend of organic fatty acids and esters.	Process aid additive designed specifically for polyurethane molding, such as: RTM, infusion, pultrusion, or casting.
	MoldWiz® INT-1944NRR	Designed to have minimum effect on resin gel/cure times. Synergistic blend of organic fatty acids and esters.	Process aid additive primarily for providing internal release. Processes include, RTM, infusion, pultrusion, or casting.

	Product Type	Product Name	Description	Application
External Mold Releases	Sacrificial Wax Solvent-based	MoldWiz® 424/7NC	Liquid external release agent that dries at room temperature forming a monomolecular film which adheres by adsorption to the mold walls and has no affinity for the resin. Proprietary blend of polyolefins, hydrocarbon wax and wetting agents in petroleum solvents. No Silicone.	Spray on release for flexible PU foams. 8-10% Actives
	Sacrificial Wax Solvent-based	MoldWiz® P9/NC	Liquid external release agent that dries at room temperature forming a monomolecular film which adheres by adsorption to the mold walls and has no affinity for the resin. Proprietary blend of cross-linked polyolefins with hydrocarbon wax in volatile organic solvents. No Silicone.	Spray on release for flexible PU foams. 3-6% Actives
	Sacrificial Polymeric Solvent-based	MoldWiz® 435PU Series	High performance PU release. Quick drying. Available in different levels of actives. Heptane carrier.	Wipe or spray on at ambient to hot molds. For Cast PU. 5-12% Actives
	Sacrificial Polymeric Solvent-based	MoldWiz® 462EPU Series	Highest performance PU release. High slip release. Available in different levels of actives. Mineral Spirits carrier. Aerosol version available.	Wipe or spray on at ambient to hot molds. For Cast PU and FRP PU. 5-50% Actives
	Sacrificial Polymeric in Water	MoldWiz® WB-606SFL	Quick drying, general purpose release with good slip. Blend of organic phosphate esters, synthetic resins, modified fatty acids, wetting agents, and surfactants in water.	Wipe or spray on at temperatures up to 310°F/154°C. Can be used to mold cast PU parts up to 400°F/205°C. 3-6% Actives
	Sacrificial Polymeric in Water	MoldWiz® FFIH MoldWiz® FFIH-15 MoldWiz® FFIH-85	Film-forming combination release agent and barrier coat that dries at room temperature. For use on all types of molds. Can be painted.	Wipe or spray on. PU foams. Actives vary by product
	Semi-Permanent in Water	XTEND® 19NG	High temperature semi-permanent technology. Extremely durable for multiple releases.	Wipe or spray on used for FRP PU and some cast PU. 2-3% Actives
	Semi-Permanent in Water	XTEND® W-7806R	Long lasting release for RTM, infusion, or casting PU applications. Not recommended for applications that require paint.	Wipe or spray on both cast PU and some flexible PU foam. Stable to 400°F/205°C. 5-6% Actives
	Semi-Permanent in Solvent	XTEND® 19RSS	Long lasting release. Recommended for rigid foams and elastomers. Extremely durable for multiple releases.	Wipe or spray on molds up to 310°F/154°C. Can be used to mold up to 400°F/205°C. 1-2% Actives

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