

technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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MOLD WIZ EM-1212

General: A water-based 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. This selective adhesion prevents the film from easily being torn off by the demolded part resulting in numerous demoldings per release application without any necessity for washing the mold. Will not interfere with any secondary operations such as decorating, bonding, or painting.

**Use: Polyester, Epoxy, Rubber,
Melamine & Phenolic**

Composition: Proprietary resin emulsion of polyolefins and organic fatty acids in combination with wetting agents and surfactant in a water vehicle.

TYPICAL PROPERTIES:

SOLIDS:	10 – 12%
COLOR:	Off white
SPECIFIC GRAVITY:	0.990 @ 25°C
VISCOSITY:	<15 cps @ 25°C
pH:	9.5 – 11.5
FLASH POINT:	Non Flammable
SHELF LIFE:	Minimum of one year
VOC & HAPs % @ 25 °C	0 %

Application Instructions:

Clean mold with Xtend® CX-500. Apply mold release with a clean cotton cloth wiping in two directions, using a circular motion. Allow to dry for five minutes and hand polish to a smooth finish, wiping straight in two directions. May also be applied by spraying a thin coat (fine mist to dry film) and allowing to dry completely with no moisture residue. Accelerate drying time by blowing hot air or by using heat lamps. Repeat whenever mold has been cleaned with Xtend® CX-500, or as required to give mold release properties.

All information given by us about our products is based upon our tests and experience. It is intended for use by persons having technical skill at their own discretion and risk, and we assume no liability in connection with their use.

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