

technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

50 Cambridge Drive, Monroe, CT 06468

Tel: 718-672-8300 • Fax: 718-565-7447

E-mail: info@axelplastics.com

MOLD WIZ

250SL/55NC

No chlorinated solvents

General: A liquid external release agent that dries at room temperature forming a monomolecular film which adheres by adsorption to the mold surface and has no affinity for the molded resin. This selective adhesion prevents the film from being easily abraded by the molded part. Numerous demoldings per application of release agent can be expected without any necessity for washing the parts. The release will not interfere with secondary finishing operations such as decorating, bonding, or painting.

Use: Cultured Marble, Polyester and Vinyl ester resin.

Ideal for Custom Marble Molders who spray on gel coats.

Each application of release will remove tape/clay residue and restore release properties in one easy step.

Composition: Proprietary resin solution of polyolefins, organic fatty acids and wetting agents in hydrocarbon solvent.

TYPICAL PROPERTIES:

SOLIDS:	2.0 – 2.5%
COLOR:	Pale Yellow
SPECIFIC GRAVITY:	0.820 @ 25°C
VISCOSITY:	<50 cps @ 25°C
REFRACTIVE INDEX:	1.455
FLASH POINT:	<73° F / <23° C (C.O.C.)
SHELF LIFE:	Minimum of one year

Application Instructions:

Clean mold with Clean Wiz®. Porous FRP mold surfaces may require Melax® mold conditioner. Apply mold release with a 100% cotton cloth. (Solvents in the mold release may dissolve synthetic fiber leaving a deposit or streaks on the mold). **INITIAL APPLICATION:** Wipe on uniformly using a circular motion. Allow to dry. Repeat application. For the third coat, wipe on and while still wet, polish with a dry cotton cloth. This wet polishing technique will result in an easy-to-polish high gloss surface. Wait at least a half hour before beginning to mold. **IN PROCESS:** Use release to wet polish off clay residue. Re-apply and wet polish an additional coat of release as required. Wait at least a half hour before beginning to mold.

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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