



Technical Data Sheet

50 Cambridge Drive, Monroe CT 06468 USA
+1 203.590.2000 | +1 800.332.AXEL
www.axelplastics.com

MoldWiz® FFIH External Mold Release

Product Description:

A film forming combination release agent and barrier coat that dries at room temperature. 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. The film which is formed on the mold transfers to the molded foam during the curing cycle and acts as a primer for subsequent painting or can be washed off in a water bath, if desired. 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.

Use:

Polyurethane foams, all types. Expanded rubber.

Composition:

An alcohol-water dispersion which evaporates leaving a polymeric barrier coat / release agent film.

Handling:

Wear safety glasses, goggles and chemically resistant gloves such as nitrile or butyl. Wash hands frequently.

Avoid breathing vapors or mist. Use with adequate ventilation.

CAUTION: Apply at ambient, or, ideally, above 65°F/18°C. Do not apply hot molds over 350°F/177°C.

Store above freezing and below 100°F/ 38°C

Instructions for Use:

FFIH may be applied to all types of molds, hot or cold, by spraying, wiping or brushing. Spraying with a fine mist setting at 25-30 lbs of pressure is preferable as this results in the smoothest finish and fastest drying time. Shake well before using.

1. Clean molds with a cleaner such as **Aqua Clean 100 or CX-500** the first time the mold is used.
2. Spray a thin coat and allow to dry completely.
3. Cast and demold one part.
4. Without washing mold, re-spray FFIH.

Miscellaneous: On certain RTV Silicone mold formulations (not polyurethane or rubber RTV), it may be necessary to prepare the mold in the following manner to ensure a uniform film: either wash the mold with a weak (1-2%) detergent solution or pre-heat the mold for five minutes prior to applying FFIH.

Pigments may be added to FFIH resulting in base color film being transferred to molded foam which becomes an integral part of the foam and is not water soluble. The transferred film readily accepts all finishing coats, lacquers, etc. without any special preparation required.

Review SDS before use.

FEATURES:

No Silicones	Does not affect secondary bonding or painting
Film Forming Barrier	Quick Drying

TYPICAL PROPERTIES:

SOLIDS	2.2 – 2.6%
COLOR	Clear
SPECIFIC GRAVITY	0.83 @ 77°F / 25°C
VISCOSITY	<100 cps @ 77°F / 25°C
FLASH POINT	50°F / 10°C (C.O.C.)
SHELF LIFE	Minimum of one year