



"The Choice of Professionals Since 1964"



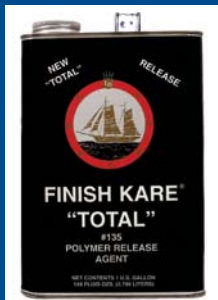
MOLD RELEASE PRODUCTS:

- **Cleaners**
- **Mold Sealants**
- **Mold Release Agents**
 - Semi-Permanent
 - Multiple Release Wax-Based
- **Compounds & Polishes**

MOLD RELEASE PRODUCTS

NON-WAX-BASED SEMI-PERMANENT RELEASE AGENTS:

#135T: POLYMER RELEASE AGENT



A polymer-based release agent which has high heat stability. Its polymers provide multiple releases and protection from high heat generated from accelerated exothermic reactions.

It is specially designed for:

- Accelerated Exothermic Resins up to 400° F or 204° C
- Multiple Releases
- Compression Molding
- Vacuum Bagging
- Resin Transfer Molding (RTM)

NOTE: For best results, use terry cloth or Turkish towels when applying #135T. Apply in a circular motion to mold by overlapping previous area.

Work product in thoroughly over the mold creating a thin even coat. Check for uniform coverage. Allow it to dry. Reapply as directed.

#135T may be sprayed. When applying, if sprayed, we suggest wiping it lightly over sprayed film for uniform coverage.

#135ER: URATHANE RELEASE AGENT

It is recommended for the following types of urethane moldings:

1. Elastomer Urethane
2. Polyisocyanate Component A
3. Hydro-Resin Component B
4. Urethane Foam
5. Isocyanate Component A (Diphenylmethone)
6. Poly Component B (Polypreponal Glycol)

Note: For #135 ER, follow the same guidelines as #135T.

WAX-BASED MOLD RELEASE AGENTS:

#1000 Series Mold Release Waxes are formulated with the help of today's modern chemistry. Thus, they work in extreme conditions of accelerated-exothermic, high-temperature conditions (HIGH) and low-to-ambient-temperature conditions (LOW). HI-TEMP and HI-LOW 1000 Waxes contain a blend of synthetic waxes that reduce the quality fluctuations that are found in natural organic waxes such as carnauba. Synthetic waxes that FK uses in its mold release waxes have the high melting points and the proper hardness to get the desired film properties on the mold surfaces. The resulting film has a high gloss and intensive wear-resistance under the high or low temperature molding conditions. This assures an easy release.

PLEASE NOTE: EACH OF THE 1000 SERIES WAXES CONTAIN DIFFERENT BLENDS OF SYNTHETIC WAXES AND SOLVENT MIXTURES TO GET THE DESIRED AND UNIQUE PROPERTIES.



#1000P: HI-LOW PASTE WAX

- Contains a blend of synthetic waxes and is one of FK's premium mold release waxes.
- Proper application of this wax will result in a film that has high gloss and has resistance to intensive wear, heat and water.
- Good for up to 275° F or 135° C.



#333MR: BLUE WAX

- True high-gloss paste wax.
- Withstands high-temperature exothermic reactions of resins and does multiple releases easily.
- Contains carnauba wax, synthetic waxes and high-temperature resistant resins for effective multiple releases of plastic parts through numerous cycles.
- Good for up to 230° F or 110° C.
- Buttery texture provides easy on/off applications.
- Sets up faster and harder and assures quick, clean releases without wax buildup or transfer.
- Recommended for the effective release of any FRP or cultured marble parts, polyesters, polyurethane, etc....

#888: MAX MOLD RELEASE PASTE WAX



- Similar in hardness to #1000P. It is yellow in color and has a peculiar, turpentine smell.
- Comparable to Meguiar's #8. Our extensive testing shows that you get equivalent or better release with #888 than the comparable Meguiar's product.
- Good for up to 230° F or 120° C.
- This is one of our newer products—sample requests welcome.



#1000L: HI-LOW LIQUID WAX

- Specially designed for use between multiple releases to relieve the wax build up and reduce surface tension in molds.
- Helps to prolong the life of multiple cycle releases.
- Solvents in the product liquefy the mold release waxes to form an even coat on the mold for easy de-molding.

#1165: HI-TEMP EXTRA HARD PREMIUM WAX

- As the name implies, designed to withstand higher temperatures and is harder than other waxes.

MOLD RELEASE PRODUCTS

- Good for up to 275° F or 135° C.

USAGE: Higher temperature exothermic reactions.

#1006: PRE-RELEASE DETERRENT PASTE WAX

- Specially designed to reduce the slip factor, which under some situations might allude to pre-release.
- In the event “pre-release” occurs on corners, wells and radiuses due to excessive exothermic heat generated by mass chopping over these areas due to repeated passes, apply #1006 as the last coat or last two coats over the application of #1000P prior to gel coat and lay up.

#1004-23: GEL COAT RELEASE PASTE WAX

- Formulated so as to be brushed over gel coat before the final wax coat is applied without worrying about fish eye.
- Recommended to be applied to any mold surface, whole or partial, where brushing the gel coat on the mold is required.
- Can be used over #1000P as the final coat or used by itself when gel coating.

APPLICATION TIP: A camel hair soft brush is recommended for brushing gel coat. Cutting the tip of the brush helps to get even distribution – lay your brush flat while applying. Do not use the tip of the brush because it may remove the release film and causing spot bonding. Apply thin coats; making sure it is dry before wiping.

- Heavy-duty (HD) cousin of FK's #332: Hand or Spray Interphase Release Wax. Contains the same high-melt synthetic blend waxes incorporated into #1000P: Hi-Low Paste Wax and #1000L: Hi-Low Liquid Wax but the solvent systems have been changed to reduce viscosity and make the product sprayable.
- Field tested and fully embraced by all users because it gets the job done – especially for larger molds, panels and other large jobs that require excessive labor for application of paste or liquid waxes.
- Very easy application – just spray on, allow it to dry and then wipe lightly – quick and easy. Cuts your labor costs and increases your productivity.

MOLD SEALANT:

Molds are porous so they need to be properly sealed to prevent two things:

1. Release waxes and agents getting into pores and compromising easy multiple releases.
2. Resin getting lodged in the mold and allowing a part to get stuck.



#86: SEAL KOTE

- A polymer solution designed for efficient “sealing of porosity” in new and rejuvenated molds.
- Aids and assists the wax release agents to assure a clean and easy demolding.

CLEANERS:

These are solvent cleaners to clean and remove any foreign matter from the mold surface to get it ready to seal them before applying release agents.



#69: MOLD CLEANER & STRIPPER

- Specially formulated for the Fiberglass Reinforced Plastic (FRP) Industry to clean molds and relieve the problems of wax build-up & over-spray from mold surfaces.
- Important mold release components of Hi-Low Temp 1000 series waxes are specially blended in this product to liquefy and remove most waxes from the molds.
- Can also be used as an inter-phase item for the wax system for prolonged releases and as a cleaner for sharper molds and parts.
- Please note #69 does not relieve Styrene burns.

#69AS: ANTI-STAT MOLD CLEANER & STRIPPER

- Same as above, but contains anti-static agent which helps to reduce dust and particle attraction to molds due to buildup of static charge.



#135-80: POLYMER MOLD CLEANER AND WAX REMOVER

- Solvent-based mold cleaner for removing wax.
- Contains toluene and fortified with polymers.
- A much stronger cleaner than #69 that can be used for the clean-up of all types of molds prior to applying porosity sealing agents and mold release agents – wax-based or otherwise.
- Apply at least 2 coats of #135-80 for proper cleaning of molds and assured releases.



#80: LIQUID MOLD CLEANER

- Same usage as #135-80, but #80 is milder and contains no toluene or polymers.
- Specially formulated for cleaning Elastomer Resins (ER).
- Contains special surfactants that do not react with the resin that other cleaners might.

APPLICATION PROCEDURE for FK's CLEANERS:

1. Apply #69, #135-80 or #80 over a controlled area by saturating a terry cotton cloth with the product.
2. Agitate and wipe wet. Wiping wet allows to pickup foreign matter which have been dissolved or dislodged by agitation.
3. Continue this procedure until the entire mold has been cleaned.
4. Reapply a light, even coat of #69, #135-80 or #80 to assure a non-waxy, greaseless surface and wipe.
5. If there is heavy build-up of wax, repeat the process.

MOLD RELEASE PRODUCTS

COMPOUNDS AND POLISHES:

Mold surfaces get damaged and warped due to wear and tear of constant use and heat generated during exothermic reactions from the resins. The compounds and polishes listed below are used to repair the molds periodically to make them work like new. They extend the life of molds by getting more use out of them and, as an added bonus, better quality parts are produced.



#103: EXTRA HD CLEANER

- FK's premium cleaner that incorporates glazing and spreading agents.
- Cleans deeper without any heavy abrasive action.
- Easily relieves buffer swirls, paint and gel burns; Smoothens and removes fine scratches and blemishes.
- Assures a deeper and cleaner finish on molds for sharp looking parts.
- Recommended for rubbing out slight imperfections in the mold or finished parts and for removal of oxidation and/or discoloration of older parts.



#600: WHITE FINE RUBBING COMPOUND (PASTE)

- Fast cutting compound that can be applied by hand or machine.
- Recommended for rubbing out fine mold imperfections and fine or minor scratches.
- Removes and blends or does touch up of mold surfaces when removal of foreign matter is essential.
- Can also be used in heavy-duty work.



#440-5: POLISHING COMPOUND

- Specially formulated for removal of wet or dry sanding marks, imperfections and other mild defects without scouring the gel coat.
- A fast cutting compound formulated with fine abrasives and silicates to remove fine to medium scratches and blemishes.
- Can be used on all gel coated surfaces as well as other mold materials.

Please note the products are listed in order of their aggressiveness, such as #103 is more aggressive than #440-5.



#923: MICRO POLISHING COMPOUND

- A fine micro compound formulated to remove sandpaper marks and imperfections quickly and easily while leaving a high gloss and minimizing swirl problems.
- Easily removes 1500 grit sand marks with a 100% wool cutting pad and 2000 or finer grit with an aggressive foam pad.
- Can be applied to all painted or gel coat surfaces.



#330: MINI BUFF

- Made with a heavy wax base.
- Fine polishing compound used for the final machine polishing and dressing of molds before sealing and waxing.
- Improves clarity and luster.
- Excellent for older parts where light buffing may be required.

ADDITIONAL PRODUCTS INCLUDE:

#PV-6: A FILM AGENT which serves as a sealer and release agent.

#64: PVA CLEAR / #65: PVA BLUE – Both for Fine Film Work.

#67: PVA GREEN – Heavy-Duty Film Work.

#PB-1: TRAFFIC WAX – Reduces cleanup time, increases efficiency in production and seals porous floor surfaces.

#68: EDGE WAX – Protection of flanges and prompt & easy release of the part.

#604B: MOLD SEALER & RELEASE AGENT for FRP, Cultured Marble & Onyx manufacturers.

#626: POLYMER HAT WAX for cultured marble, granite and onyx manufacturers.

#641C: SURFACING AGENT, a non-styrene intermix surfacing agent for reduction of pin holes, resin tack and air bubbles.



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