

Release F Green

Typical Properties

(Not for specification purposes. All tests run at 25°C unless otherwise noted)

Liquid Properties:

Appearance	Visual	Green liquid
Specific Gravity	ASTM-D-2393	0.85 g/cm ³
Viscosity	ASTM-D-792	50 cP
Flash Point PMCC	ASTM-D-92	>-5°C (23°F)

Release F Green is a mold sealer for porous surfaces such as wood, plaster,. When fully dried it provides a glossy surface against which to mold epoxy, polyurethane, and many other polymeric materials.

Release F Green should be used with a wax release agent or other primary parting material to prevent sticking of the epoxy or other polymers. The Release F Green seals the mold surface and allows the wax or alternate release agent to be buffed to a high gloss, but does not function as a release agent on its own.

The suggested procedure for applying the Release F Green is as follows:

1.) Assure that the mold surface is clean and dry. Be especially carefully to remove any grease, oil or waxy residues or any old release agents. Use a soap or solvent if necessary to remove stubborn contaminants.

2.) Apply thin coat of Release B or an alternate wax based mold release to the clean surface. (If using a release agent other than Release B, test performance of your release agent with Release F Green on a test piece prior to using in production.) Allow the release coat to dry or cure per the manufacturer's instructions and then repeat the process with a second thin coat.

3.) After the second thin release coat has been applied and allowed to dry or cure, apply a thin coat of the Release F Green with a brush, cloth, sponge or using a sprayer. Spraying generally provides the thinnest, glossiest surface and is therefore the preferred method of application. If it is desirable to thin the Release F Green for spraying small amounts of lacquer thinner may be added, but should be kept to the minimum required to achieve the desired viscosity for spraying. Allow to dry for at least 30 minutes until the surface is dry to the touch and appears glossy. In general thinner coats will dry faster than thick coats. After the first coat is dry apply at least 2 more coats using the same procedure.

4.) Apply a final coat of Release B or your selected release agent over the Release F Green. Allow to dry or cure and buff to a high gloss. For most applications the mold will now be ready to use and can continue to be used with only the reapplication of the final coating of Release B or an your mold release agent as recommended by the material's manufacturer.

5.) For difficult mold designs or hard to release resins, it may be advisable to add additional alternating coats of Release F Green and Release B or your release agent.

Storage Guidelines:

Store this material in a clean, cool and dry environment in its tightly closed original container. Material is flammable and so must be stored away from heat, flame, sparks, or other conditions that create an unsafe condition. After opening the container, tightly seal the container prior to storage. Failure to do so may allow some of the solvent in the formulation to escape leading to high viscosity or the formation of a film on the surface of the liquid. If the recommended storage conditions are observed the products will have a minimum shelf-life of 12 months from the date of shipment.

Handling Precautions:

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets. Ensure good ventilation during use to prevent the build up of solvent vapors.

Personal Hygiene & Safety Precautions:

WARNING! FLAMMABLE. Harmful if inhaled. Causes irritation to skin and eyes. Avoid contact with skin, eyes and clothing. Harmful if inhaled or swallowed. Do not breathe vapor, mist, or spray. Use only with sufficient ventilation to prevent inhalation and the build up of vapors or fumes. Remove and discard or wash any clothing that becomes contaminated. Destroy any contaminated leather goods or absorbent items such as shoes. Wash thoroughly after using or handling. Wear impervious gloves and splash-proof chemical goggles during use. Use of a respirator with an organic vapor cartridge is recommended. Keep containers closed when not in use. Do not swallow or take internally.

In case of fire use carbon dioxide, foam, or dry chemical extinguishers to put out the flames. Self-contained breathing apparatus with eye protection should be used by emergency responders.

First Aid

In case of contact:

Skin – Immediately wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes and other articles made of leather.

Eyes – Immediately flush eyes with plenty of water for 15 minutes and get prompt medical attention.

Inhalation - Remove person to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

Ingestion - Do not induce vomiting. Dilute with plenty of water and contact physician immediately. Never give anything by mouth to an unconscious person.

DISCLAIMER:

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Specialty Polymers & Services, Inc. (SP&S)
27822 Fremont Court
Valencia, CA 91355

Tel - 661-294-1790

Fax - 661-294-0640

info@spolymers.com
www.spolymers.com