

DE-COMP COMPOSITES, INC.

FIBERGLASS SHIELD

FIBERGLASS SHIELD is a high performance, semi-permanent release coating specifically formulated to provide high gloss moldings of polyester resins and gel coats. It also offers effective multiple release efficiency with a wide range of molding compounds. For NON-VOC release agents, request technical data on ENVIROSHIELD.

FIBERGLASS SHIELD benefits are:

- True semi-permanent multiple release capability
- Ease of Application
- Fast Cure
- No Transfer
- Controlled Release (reduces possibility of Pre-Release)
- No build-up on mold
- Thermal Stability (> 900°F/480°C)
- Excellent Gloss
- Easy Recoat/Touch-Up

TYPICAL PROPERTIES

Appearance & Odor:	Clear, thin, liquid with characteristic solvent odor
Carrier:	Aromatic Naphthas
Flash Point [C.C]:	~ 100°F
Coverage:	1200 Sq. Ft./Gallon
Wt./Gallon:	7.29 lbs./Gallon
Cure Mechanism:	Chemical cross-linking and bonding following solvent evaporation and reaction with atmospheric moisture

NOTE: Product is moisture-sensitive. Container must be kept tightly closed when not in use.

USES

FIBERGLASS SHIELD is formulated specifically for releasing polyester and fiberglass moldings such as boats, cultured marble, solid surfaces, industrial & electronic housings and wherever a high gloss finish is required.

SURFACE PREPARATION

Before applying FIBERGLASS SHIELD, all previous waxes or oils should be removed using SURFACE CLEANER, and a suitable mold sealer should be applied. If surfaces have been coated previously with a semi-permanent release agent, it may be possible to simply solvent wipe, dry, and apply FIBERGLASS SHIELD directly on top of existing surface. A test patch should be done to confirm this possibility

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MOLD CLEANING

SURFACE CLEANER is a combination of solvents specially blended to aid in the preparation of new and used molds/tools prior to treatment with **MOLD SEALERS AND RELEASE AGENTS**. It readily removes waxes and other surface contaminants without harming or dulling the working surfaces of the mold. **SURFACE CLEANER** will also clean brushes and spray equipment used to apply various release products and elastomeric materials. For a **NON-VOC** cleaner, use our **WATERCLEAN**.

MOLD SEALING

SEALER GP is recommended whenever a mold/tool is completely cleaned or the mold surface has been scratched locally after demolding a component. **SEALER GP** forms a thin protective shield that extends the life of the mold surface and reduces the amount of release agent required. Apply **SEALER GP** in accordance with Technical Data Sheet.

HOW TO USE

- 1. Apply FIBERGLASS SHIELD to a small area of the mold 1-2 sq. (.2 sq. m.) using a Bounty paper towel, clean lint free cloth, or hand sprayer.**
- 2. While still wet, gently wipe dry using a separate clean Bounty paper towel or lint free cloth.**
- 3. Make sure entire mold surface is coated in this manner, slightly overlapping the last coated area if you are applying in sections. Be certain that all contours are adequately coated.**
- 4. Wait for a minimum of 15 minutes.**
- 5. Apply a second coat of FIBERGLASS SHIELD in the same way, and wait for a minimum 30 minutes before using mold. If application has been made to a warm surface, a shorter waiting period is needed. The use of heat (hot air, heat gun, and oven) can enhance performance.**
- 6. For touch up apply a single coat of FIBERGLASS SHIELD as above and continue processing.**

STORAGE & SHELF LIFE

- When stored in a cool, dry area (Temp. < 90°F/32°C) in the original unopened container, the product will remain active for more than one year.**
- Do not store at elevated temperatures. Product is moisture-sensitive, and will react with atmospheric moisture if exposed. Keep tightly closed when not in use.**

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SAFETY DATA

Material Safety Data Sheets (MSDS) are available for all products and should be consulted prior to use of product.

SHIPPING DATA

DOT Shipping Name:

Resin Solution

DOT Hazard Classification:

Flammable Liquid

DOT I.D. Number:

UN 1866

PACKAGING

FIBERGLASS SHIELD is available in the following sizes:

1-U.S. gallon can

5-U.S. gallon pail

55-U.S. gallon pail

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