

BreeZ® Release 707

Water-Based, Semi-Permanent Release Agent

Description

BreeZ® Release 707 is a semi-permanent, water-based release agent for FRP composite molding, including polyurethane and epoxy gel coat systems, as well as advanced epoxy and phenolic pre-preg molding. It is suitable for all varieties of molding techniques. BreeZ® Release 707 **provides minimal transfer** of release agent, high-temperature stability, high resistance and is capable of multiple releases. It has a low/medium release power.

BreeZ® Release 707 cures rapidly and is a ready-to-use, environmentally friendly product. This BreeZ® product is designed to be applied from room temperature, up to 200°C/424°F.

BreeZ® Release 707 has very low build-up on molds. The product has a “dry” appearance on surface and **enhance placement of dry fabrics and sealing tapes**. The product is fast and simple to apply by both spraying and wiping and you can easily recoat or make touch-ups. The water-based system eliminates the needs for respiratory PPE and provides a safe working environment with low odor and possible reuse of application cloths/mops. The product has none hazardous components and/or restrictions.



Application – Wipe-application

The mold should first be properly sealed using the appropriate mold sealer according to its product data sheet.

1. Lightly mist the mold surface with a cloth, hand-sprayer or spray-mop for large mold surfaces. Wipe the droplets into a continuous wet film using a pre-wetted clean cloth / microfiber pad.
2. Before the release coating dries, wipe over with a second clean, dry cloth / microfiber pad to thin the film and aid with carrier evaporation. Replace cloths if needed to ensure adequate absorption and drying.
3. Repeat in the same manner in rows/sections, overlapping slightly to ensure full coverage of the mold.
4. Let cure for 15 minutes between coats.
5. Apply next coats of BreeZ® Release 707 in the same manner for a total of 2 - 4 coats. Allow the final coat to cure for a minimum of 30 minutes before applying gel coat, layup or molding.
6. When maintenance coats of release agent are needed, apply 1-2 thin coats of BreeZ® Release 707 in the same manner as described above. (2x coats will often increase durability and number of prints between touch-up)

Important

The recommended number of coats and cure times are a general guideline found to be more than sufficient in a broad spectrum of molding conditions. When molding products with extreme geometries or experiencing **high humidity conditions** in the shop, the customer may find the need to extend the cure time between coats and use less material for coverage of same area. Opposite actions in low humidities. The efficiency of a release film is best determined through a combination of tape tests and experimentation.

Spray application:

Use conventional air spray equipment and hold the spray tip 4-10"/10-25 cm from the mold surface. For best results, allow a brief cure. To prevent buildup, avoid over-application.

Storage

Store product between 5°C and 30°C (41°F and 86°F). Keep from freezing. Keep container tightly sealed to prevent evaporation and/or contamination. If stored in cold temperatures, allow to warm to room temperature before using.

Packaging

BreeZ® Release 707 is available in 1 liter and 3,75 liter containers.

Shelflife

Best before: 6 months from Date Of Production (DOP).

NOTE! This product is PFAS-free (none fluorinated, Teflon-related chemistry is used in this product!)

Further Information

While the technical information and suggestions for use contained herein are believed to be accurate and reliable, nothing stated in this bulletin is to be taken as a warranty either expressed or implied.