

PeelRite™ FC

High-Performance Silicone Release Agent

Product Description

PeelRite™ FC is a high-performance, non-HAPs silicone release agent designed for spray polyurethane foam (SPF), polyurea, molding, and industrial coating applications. It forms a durable barrier that prevents resin and polymer adhesion, reducing cleanup, minimizing downtime, and improving release efficiency. Low surface tension enables uniform coverage and penetration into rough molds, complex geometries, and high-temperature surfaces.

Key Benefits

- Reduces cleaning time and material buildup
- Minimize waste and solvent usage
- Improves productivity and reduces downtime
- Enhances surface quality – Promotes smooth, defect-free finishes
- Extends equipment and mold life – Reduces sticking, wear, and residue

Typical Performance Characteristics

- Excellent release on metal and tooling surfaces
- Low residue formation for easier cleanup
- Performs reliably at elevated temperatures
- Compatible with automated spray systems

Key Features & Sustainability

- Non-HAPs silicone-based release agent
- Integrated coalescent system and corrosion inhibition package
- Forms a durable barrier coating that inhibits resin and polymer adhesion
- Free of mineral spirits, aromatic, aliphatic, and chlorinated hydrocarbons
- Aerosol packaging without hydrocarbon propellants (n-heptane, n-butane, isobutane)

Applications / Recommended Use

SPF (rigid/flexible) • Polyurea • Epoxy • Polyurethane • Polyester • Vinyl Ester • Silicone based coatings • Protective coatings • Adhesives • Tooling • Dies • Compression, transfer, Injection molding • Casting • Layup processes

Typical Physical Properties

Specific Gravity @ 68 °F	0.7771 g/L
Weight / Gallon	6.485 (lb/gal)
VOC Content (EPA Method 24)	677.10 g/L (5.65 lb/gal)
Fash Point	> 210 °F (>99 °C)
Viscosity	400 cST @ 77 °F (25 °C)
HMIS Rating	Health: 1 Flammability: 2 Physical Hazard: 0

Application Instructions

- **Temperature:** 77–175°F (25–80°C)
- **Methods:** Spray • Wipe • Roller
- **Preparation:** Clean and dry surface; remove all contaminants
- **Application:** Apply light, uniform coat from 6–8 in (15–20 cm); use sweeping motion; avoid over-application; allow film to dry before processing
- **Reapply:** As needed based on temperature, resin aggressiveness, cycle frequency, and wear
- **Cleanup:** Wipe overspray immediately; remove residue with **NZD ISO Flush™ Isocyanates Cleaner & Neutralizer**

Packaging

Pressurized spray bottles (quarts) • 1-gallon • Pre-saturated wipes • Aerosol (non-hydrocarbon propellants)

Storage & Handling

- Store at 68–77°F (20–25°C) in a cool, dry location
- Avoid freezing; allow product to reach room temperature before use
- Shelf life: 12 months under recommended conditions
- Use appropriate PPE and ensure adequate ventilation

Cleanup & Maintenance

Wipe overspray immediately. Clean residue with **NZD ISO Flush™ Isocyanates Cleaner & Neutralizer**. Perform routine equipment inspection and cleaning to maintain performance.

Safety & Disposal

Refer to the SDS for full safety, handling, and first-aid information