



Chemlease®

FIBERGLASS-REINFORCED PLASTIC (FRP) AND ADVANCED COMPOSITES

Chemlease® FRP & Advanced Composites

With the broadest and most comprehensive semi-permanent product line in the industry, Chemlease® is the answer to your most difficult release concerns. Whether it's plugs and masters, small-part production, open or closed molding, Advanced Composites Process, Chemlease® technology delivers the right product for your application.

APPLICATION DATA FOR SUPERIOR RELEASE

Step 1: Clean (Choose one)

- Chemlease® Mold Cleaner EZ:** A heavy-duty, solvent-based cleaner formulated to dissolve waxes and buffing compounds without removing the semi-permanent coating layer.
- Chemlease® Mold Cleaner 11:** A heavy-duty solvent-based cleaner formulated to remove waxes and styrene build-up.

Step 2: (Optional) Prime

- Chemlease® MPP 712 EU:** A unique, heavy-duty mold primer and glossifier that create a strong and hard coating, brings worn tooling back to life and increases topcoat durability.

Step 3: Seal (Choose one)

- Chemlease® 15 Sealer EZ:** A high-performance sealer formulated to condition mold surfaces by reducing porosity and acting as a protective barrier for new or reconditioned molds.
- Chemlease® Sealer 2697:** A high-gloss, solvent-based, semi-permanent sealer which affords easy application in one step using a wipe-on-only technique.

CHEMLEASE® SEMI-PERMANENT TECHNOLOGY DELIVERS:

- Multiple releases
- High thermal stability
- Virtually no transfer
- Multiple slip levels for all applications; High, medium, and low slip grades
- Easy release on the most aggressive composite resins
- High-gloss or matte finish
- Low build-up
- Easy application

Step 4: Release Agent (Choose one)

- Chemlease® PMR LS, MS or HS EU:** Our most popular high-gloss, one step formula for composite molding, specifically designed to give high number of releases without the use of a sealer.
 - Choose LS (Low Slip)** to avoid pre-release and fisheyes for difficult gel-coat application.
 - Choose MS (Medium Slip)** for most of Composite application, with and without gelcoat.
 - Choose HS (High Slip)** when high lubricity is needed.
- Chemlease® 255:** A semi permanent, abrasion resistant release product, which provides excellent high-slip properties, minimal transfer and high temperature stability.
- Chemlease® 2185 EU:** A hybrid liquid wax and semi-permanent formulation providing a high-gloss finish with multiple release capabilities.
- Chemlease® One FS™ EZ:** An easy-to-apply, wipe-on-only or spray-on-only, multiple-release formula for high-gloss composite molding.
- Zyvax® Flex-Z 1.0 to 6.0:** The well known flexible semi-permanent system for composite application. Flexible slip level from 1.0 (low slip) to 6.0 (high slip).

Composite Selector Guide

	APPLICATION TYPE	NUMBER OF COATS	CURE TIME BETWEEN COATS (MINUTES)	FINAL CURE TIME PRIOR TO MOLDING (MINUTES)
CLEANERS				
Chemlease® Mold Cleaner EZ	Wipe on, wipe off	N/A	N/A	N/A
Chemlease® Mold Cleaner 11	Wipe on, wipe dry	N/A	N/A	N/A
PRIMERS				
Chemlease® MPP 712 EU	Wipe on, wipe dry	1 to 2	30	60
SEALERS				
Chemlease® 15 Sealer EZ	Wipe on, wipe dry	1 to 2	15	30
Chemlease® Sealer 2697	Wipe on, allow to dry	1 to 2	15	30
RELEASE AGENTS - SEMI-PERMANENT				
Chemlease® PMR LS EU	Wipe on, wipe dry	3 to 5	15	30
Chemlease® PMR MS EU	Wipe on, wipe dry	3 to 5	15	30
Chemlease® PMR HS EU	Wipe on, wipe dry	3 to 5	15	30
Chemlease® 255	Wipe on, wipe dry	3 to 5	15	30
Chemlease® 2185 EU	Wipe on, buff off	5 to 7	Dry	30
RELEASE AGENTS - SPRAYABLE SEMI-PERMANENT				
Chemlease® One FS™ EZ	Spray on	3 to 5	0	30
Zyvax® Flex-Z 1.0 to 6.0	Spray on	3 to 5	0	30
RELEASE AGENTS - INTERNALS				
Chemlease® 9100	Add to resin	N/A	N/A	N/A
Chemlease® 9101	Add to resin	N/A	N/A	N/A
Chemlease® 9102	Add to resin	N/A	N/A	N/A

When experiencing low humidity and cold temperature in the shop (Dew Point below 0°C), we recommend to double cure time and increase the number of coats applied to the mold. 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. Please refer to individual data sheets for further application, safety and handling information.

Contact Chem-Trend to find out more about how our release agents and specialty products can improve your composites operations.

