

Chemlease®

Mold Release Systems



Advanced Composites | Solid Surface & Cultured Marble | Fiberglass-Reinforced Plastic | RTM

Chemlease® Advanced Composites Release System

Manufacturers of advanced composite products know the importance of delivering finished parts of high structural integrity and ideal surface quality. In addition, they need to make parts efficiently and profitably. Chemlease® mold release systems help on both counts.

Chemlease® release products offer:

- Unparalleled priming/sealing capabilities
- Easily removable build-up
- Extremely low mold build-up
- Semi-permanent or conventional release top coats
- Extremely low transfer to part
- Water-based options

Clean, Prime, Seal and Top Coat for Superior Release

For each step, choose the product that best suits the applications (see individual Product Data Sheets and Material Safety Data Sheets for specific storage, handling and application instructions).

Step 1: Clean

Chemlease® Mold Cleaner EZ: a chemically aggressive solvent-based cleaner that removes organic materials such as waxes and will 'freshen' surfaces coated with old semi-permanent products.

Chemlease® Hydrolease™ Mold Cleaner: a user-friendly, water-based cleaner that removes waxes, old semi-permanent products and light resin build-up.

Step 2: Seal

Chemlease® MPP 712 EZ Surface Primer: used to seal extremely porous tooling block, composite and metal surfaces. This product can also be used to restore the surface of worn composite tooling.

Chemlease® 15 Sealer EZ: for light duty sealing of tool surfaces with micro-scale porosity.

Step 3: Release

Chemlease® 5115W Series: unique water-based conventional products suitable for most epoxy-based pre-pregs. Transfer to part is easily washable with water and detergent.

Chemlease® 825WB: a unique water-based semi-permanent release product suitable for the effective release of most epoxy-based pre-pregs. Exhibits very low transfer to the molded part.

Chemlease® 41-Series: extremely versatile solvent-based semi-permanents that will de-mold any type of pre-preg. The 41-90 variant provides excellent slip for deep-drafted parts.

Chemlease® 70-Series: a proven, alternative solvent-based semi-permanent that features a slower-drying solvent package and enhanced cosmetic appearance. For some difficult-to-mold shapes, the 70 Series can provide improved release ease.

Chemlease® R&B: is a high slip, multiple release product, designed for non-cosmetic parts where resin is in direct contact with the mold surface.

Note: Chemlease® 15 Sealer is still available, but has been superseded by the advanced 'EZ' grade.

Note: These are general application guidelines. Please consult your local Chemlease representative and individual Product Data Sheets and Material Safety Data Sheets for specific storage, handling and application instructions.