



# Zyvax® CompositeShield™ Solvent-Based Semi-Permanent Release Agent

## Description

Zyvax® CompositeShield™ is a high performance, semi-permanent release coating specifically formulated for use with advanced composite materials in industries requiring contamination-free, fail-safe processing. Zyvax® CompositeShield™ offers effective multiple release efficiency with a wide range of molding compounds and provides good wet adhesion, eliminating surface defects such as “fisheyes” or “pinholes”. For the mold release system best suited to your needs, see our website: [www.chemtrend.com](http://www.chemtrend.com).

## Benefits

- Reduced surface defects
- Thermal stability: 480°C (900°F)
- Quick and easy application
- No build-up on mold
- Easy recoat / touch-up
- Fast cure

## Uses

Zyvax® CompositeShield™ is specified for releasing polyester, fiberglass, epoxy, graphite composites, polyimides, polybismaleimides, polyethylenes, polycarbonates and other various thermoset and thermoplastics.

## Application Instructions

Before applying Zyvax® CompositeShield™:

1. All previous surface treatments, residues, waxes or oils should be removed using a Zyvax® mold and part cleaner.
2. Four or more coats of a Zyvax® sealer such as Zyvax® Sealer GP should be applied according to the technical data sheet. Allow 15 minutes between each coat and 30 minutes after the final coat.
3. Apply Zyvax® CompositeShield™ to a small area of the mold (1-2 ft<sup>2</sup>; 0.2 m<sup>2</sup>) using a paper towel or clean, lint-free cloth.
4. While still wet, gently wipe dry using a separate clean paper towel or lint-free cloth. Make sure the 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.
5. Wait for a minimum of 15 minutes.

6. Apply a second coat of Zyvax® CompositeShield™ in the same way, and wait for a minimum 30 minutes before using mold.
7. For touch-ups, apply a single coat of Zyvax® CompositeShield™ as above and allow 30 minutes for cure before using the mold.

## Safety Data

Safety data sheets for all Zyvax® products are available at [www.chemtrend.com](http://www.chemtrend.com) and should be consulted prior to use of product.

## Storage and Shelf Life

Store product between 5°C and 30°C (41°F and 86°F). Shelf life is 18 months from the date of manufacture, in the original unopened container. NOTE: Product is moisture-sensitive. Container must be kept tightly closed when not in use

**WARNING:** Never puncture any Zyvax® product container.

### Further Information

Request information on our complete range of materials: custom-formulated release agents for polyurethane molding; tire lubes and bladder coatings; Mono-Coat® semi-permanent release coatings; aerosol formulations; mold cleaners and sealers; specialized coatings and application equipment.

*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.*