



# Zyvax® EnviroShield™

## Water-based, Semi-Permanent Release Agent

### Description

Zyvax® EnviroShield™ is a universal water-based release agent. Zyvox® EnviroShield™ chemically bonds to the mold, minimizing transfer to the molded part, or other processing equipment. The product is specifically formulated to prevent build-up on mold and high lubricity allows for quick, effortless demolding. For the correct mold release system best suited to your needs, see our website: [www.chemtrend.com](http://www.chemtrend.com).

### Benefits

- Thermal stability: 260 °C (500 °F)
- High gloss
- Fast, room temperature application
- High slip / lubricity
- Low odor
- Non-flammable
- Extremely low build-up on mold
- Easy recoat / touch-up

### Uses

Zyvax® EnviroShield™ is recommended for applications requiring multiple releases, superior surface finish with high gloss and easy touch-up for seamless production cycles. Zyvox® EnviroShield™ can be used for releasing epoxies, phenolics, polyester resins, polyamides, polybismaleimides, various rubbers and elastomers.

### Application Instructions

Before applying Zyvox® EnviroShield™:

1. All previous surface treatments, residues, waxes or oils should be removed using a Zyvox® mold and part cleaner.
2. The mold should be properly sealed with a Zyvox® mold sealer according to the technical data sheet.
3. Apply one light coat of Zyvox® EnviroShield™ to a small area of the mold (1-2 ft<sup>2</sup>; 0.2 m<sup>2</sup>) using a clean, lint-free cloth or hand sprayer.
4. Wait approximately 60 seconds, and then wipe the mold surface dry using a separate clean cloth.
5. Make sure the entire mold surface is coated in this manner, slightly over-lapping the last coated area if you are applying in sections. Be certain that all contours are adequately coated.
6. Wait for a minimum of 15 minutes.

7. Apply a second coat of Zyvox® EnviroShield™ in the same way, and wait for a minimum of 30 minutes before using mold.
8. For mold temperatures above 80 °C (180 °F), apply one very light coat of Zyvox® EnviroShield™ and do not wipe off. Wait for a minimum of 15 minutes before using mold.

### Safety Data

Safety data sheets for all Zyvox® 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.

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

### Further Information

Request information on our complete range of materials: custom-formulated release agents for polyurethane molding; tire tubes 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.*