



# Zyvax® WaterShield™

## Water-Based, Semi-Permanent Release Agent

### Description

Zyvax® WaterShield™ is a high performance release coating that has been created to give multiple releases. Zyvax® WaterShield™ is so versatile that it can be used for most molding operations. For the 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)
- Aerospace approved
- Fast, room temperature application
- Easy recoat / touch-up
- Low odor solvent-free
- Non-flammable
- High slip / lubricity
- Wipe-applied
- High gloss

### Uses

Zyvax® WaterShield™ is recommended for releasing epoxies, phenolics, polyester resins, polyamides, polybismaleimides, various rubbers and elastomers. Zyvax® WaterShield™ can be used on molds that are exposed to wear or abrasion during the molding and demolding processes.

### Application Instructions

Before applying Zyvax® WaterShield™:

1. All previous surface treatments, residues, waxes or oils should be removed using a Zyvax® mold and part cleaner. The mold should be properly sealed with a Zyvax® mold sealer according to the technical data sheet.
2. Apply one light coat of Zyvax® WaterShield™ 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.
3. Wait 30 seconds and wipe the mold surface dry using a separate clean cloth. 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.

4. Wait for a minimum of 15 minutes. Apply a second coat of Zyvax® WaterShield™ in the same way, and wait for a minimum of 30 minutes before using mold. For touch-ups, apply a single coat of Zyvax® WaterShield™ 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.

**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 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.*