



# Zyvax® Flex-Z™

## Solvent-Based Semi-Permanent Release Agents

### Description

Zyvax® Flex-Z™ is an industry breakthrough - a variable release system that gives total control to the molder. An array of six products with a common platform, Zyvax® Flex-Z™ provides flexibility in mold release levels that is an absolute requirement. Formulated to control physical and chemical factors in polyester-molding environments, Zyvax® Flex-Z™ reduces prep time, eliminates sag and delivers predictable release across the performance spectrum from minimum to maximum slip. For the correct mold release system best suited to your needs, see our website: [www.chemtrend.com](http://www.chemtrend.com).

### Benefits

- Low Odor
- Thermal stability: 480 °C (900°F)
- Excellent tape adhesion
- Fast, easy and versatile application
- Adjustable slip-coat for pre-release control
- Prevents styrene build up

### Uses

#### Zyvax® Flex-Z™ 1.0 (Minimum Slip)

Inhibits pre-release and promotes tape adhesion

#### Zyvax® Flex-Z™ 2.0 (Low/Medium Slip)

Ideal for the occasional pre-release problem

#### Zyvax® Flex-Z™ 3.0 (Medium Slip)

Standard choice for large hulls and flat areas

#### Zyvax® Flex-Z™ 4. (Medium/High Slip)

If you don't know where to start, start here

#### Zyvax® Flex-Z™ 5.0 (High Slip)

Excellent choice for small parts and high wear areas

#### Zyvax® Flex-Z™ 6.0 Extra Slip

Use on difficult-to-release male molds or as a flange release

### Application Instructions

Before applying Zyvax® Flex-Z™:

Remove all previous waxes or oils using a Zyvax® mold and part cleaner. Apply Zyvax® Sealer GP if required, allowing 15 minutes between each coat and 30 minutes after the last coat. (New molds and freshly repaired molds typically require sealing with Zyvax® Sealer GP).

1. If wiping: Apply Zyvax® Flex-Z™ to a small area of the mold (1-2 ft<sup>2</sup>; 0.2 m<sup>2</sup>) using a 100% cotton cloth wipe or paper towel or wipe on a light coat and DO NOT WIPE OFF.

2. If spraying: Using an HVLP type sprayer, Zyvax® Flex-Z™ should go on as a dry spray with no wet areas left behind the spray. Keeping the spray head 6-12 inches (if possible) from the surface, carefully and thoroughly spray the entire mold surface. If an area is over saturated, simply wipe the wet area with a clean, dry cloth to ensure even coverage.
3. Carefully and thoroughly coat the entire mold surface.
4. Allow 15 minutes to cure before applying the next coat. Apply three additional coats of Zyvax® Flex-Z™ in the same way, and wait for a minimum 15 minutes before using the mold. For touch ups, apply a single coat of Zyvax® Flex-Z™, wait 15 minutes, and continue processing. **TIPS:** If more or less slip is needed, simply move up or down the Flex-Z® slipcoat scale. Two coats should be applied when doing so. Individual sections of a mold can be treated with different slipcoats to achieve optimum results..

### Storage

For best results, store between 5°C and 30°C. Keep from freezing. Keep container tightly sealed to prevent evaporation and/or contamination. If stored in cold temperatures, allow product to warm to room temperature prior to use.

### 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

### Use Life

Use life of product is 60 days from opening of container. Product must be kept in the original container and the lid replaced immediately after dispensing. After opening, product should continue to be stored properly.

**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.*