



Sustainable Performance™

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ENVIROSHIELD

DESCRIPTION

ENVIROSHIELD is a universal solvent-free release agent designed specifically to meet the “Green Chemistry” requirements around the world. ZYVAX **ENVIROSHIELD** chemically bonds to the mold conditioner, without transfer to the molded part, or other processing equipment. Micro-polymer resin prevents build-up on mold and high lubricity allows quick effortless demolding. For the 100% SOLVENT-FREE mold release system best suited to your needs, see our website: www.zyvax.com.

ENVIROSHIELD BENEFITS

- * Environmentally safe
- * No CFCs, VOCs, or ODCs
- * No odor - solvent and alcohol free
- * Exempt from REACH requirements
- * Thermal stability: 260 °C (500 °F)
- * Fast, room temperature application
- * Non-flammable and safe to use
- * No respirators required
- * High gloss
- * High slip / lubricity
- * No build-up on mold
- * Easy recoat / touch-up

USES

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

HOW TO USE

Before applying **ENVIROSHIELD**:

- ✓ 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.
1. Apply one light coat of **ENVIROSHIELD** to a small area of the mold (1-2 ft²; 0.2 m²) using a clean, lint-free cloth or hand sprayer.
 2. Wait approximately 60 seconds, and then 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.
 3. Wait for a minimum of 15 minutes.
 4. Apply a second coat of **ENVIROSHIELD** in the same way, and wait for a minimum of 30 minutes before using mold.
For mold temperatures above 80 °C (180 °F), apply one very light coat of **ENVIROSHIELD** and do not wipe off. Wait for a minimum of 15 minutes before using mold.
For touch-up, apply one coat of **ENVIROSHIELD** as above.

SAFETY DATA

Material safety data sheets for all ZYVAX products are available at www.zyvax.com and should be consulted prior to use of product.

STORAGE & 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.

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.*

LIMITATIONS OF LIABILITY

To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance, and are subject to change without prior notice. User must contact **ZYVAX** to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to **ZYVAX** quality control. We assume no responsibility for coverage, performance, or injuries resulting from its use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY **ZYVAX**, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING FITNESS FOR A PARTICULAR PURPOSE.