

EnviroShield – Solvent-Free Semi-Permanent Release Agent

Description

EnviroShield is a universal solvent-free 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 quick, effortless demolding. For the correct mold release system best suited to your needs, see our website: www.zyvax.com.

EnviroShield Benefits

- Thermal stability: 260 °C (500 °F)
- High gloss
- Fast, room temperature application
- High slip / lubricity
- Low odor – solvent-free
- Non-flammable
- Extremely low 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 Zyvox® mold and part cleaner. The mold should be properly sealed with a Zyvox® 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.

Safety Data

Material safety data sheets for all Zyvox® 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 Zyvox® product container.*

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

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