



Zyvox® Departure™ Water-Based Semi-Permanent Release Agent

Description

Zyvox® Departure™ release agent has been specifically formulated to meet the high performance requirements of the Advanced Composites industry by providing consistent, effortless releases with minimal buildup on the mold. Zyvox® Departure™ chemically bonds to the mold surface and with correct application minimizes transfer to the part or other processing equipment surfaces. Zyvox® Departure™ pre-saturated wipes are engineered to deliver release agent to the surface without risk of over-application. The applicator cloth holds the product well (eliminating rapid evaporation) and distributes a fine dispersion of droplets across the mold surface, providing easy control and complete coverage.

Benefits

- Thermal stability: 260°C (500°F)
- Easy application by spraying or wiping
- Very low odor – solvent-free
- Non-flammable
- Eliminates porosity by improving resin flow

Uses

Zyvox® Departure™ was specifically developed for releasing thermosets, thermoplastics and prepregs. Zyvox® Departure™ is suitable for all manufacturing processes used in molding and bonding advanced composite structures.

Application

Before applying Zyvox® Departure™: All previous surface treatments, residues, waxes or oils should be removed using Zyvox® Fresh Start™ or another Zyvox® mold and part cleaner. The mold should be properly sealed with a Waterworks™ or Zyvox® mold sealer according to the technical data sheet.

1. Lightly mist the mold surface with a hand-sprayer or wipe-on a thin, even layer of Zyvox® Departure™ to the mold surface.
2. If the mold surface is below 80°C (180°F) - wait approximately 60 seconds and wipe off with a clean, dry wipe. Continue wiping until the material is evenly distributed. If the mold surface above 80°C (180°F) – do not wipe off. Apply in sections; overlap slightly when covering multiple areas.
3. Let cure for 15 minutes.

4. Apply a second coat of Zyvox® Departure™ in the same way, and wait for a minimum of 30 minutes before the layout of materials. DO NOT RE-USE DISCARDED WIPES.
5. For touch-ups, apply a single coat of Zyvox® Departure™ as above and allow 30 minutes for cure before using the mold.

Safety Data

We believe Zyvox® Departure™ has a low degree of hazard when used as intended. For more information, request a copy of Chem-Trend's Safety Data Sheet.

Storage

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. When using pre-saturated wipes, make sure that the container lid closes securely in place so that evaporation does not occur to the remaining wipes.

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. Outside of the container, pre-saturated wipes should be used within 10 minutes. After opening, product should continue to be stored properly.

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 lubes 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.