



A Chem-Trend Brand

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Composite Shield – Solvent-Based Semi-Permanent Release Agent

Description

Composite Shield is a high performance, semi-permanent release coating specifically formulated for use with advanced composite materials in industries requiring contamination-free, fail-safe processing. Composite Shield offers effective multiple release efficiency with a wide range of molding compounds and provides good wet adhesion, eliminating surface defects such as “fisheyes” or “pinholes”. For the mold release system best suited to your needs, see our website: www.zyvax.com.

Composite Benefits

- Reduced surface defects
- Thermal stability: 480°C (900°F)
- Quick and easy application
- No build-up on mold
- Easy recoat / touch-up
- Fast cure

Uses

Composite Shield is specified for releasing polyester, fiberglass, epoxy, graphite composites, polyimides, polybismaleimides, polyethylenes, polycarbonates and other various thermoset and thermoplastics.

How To Use

Before applying Composite Shield:

All previous surface treatments, residues, waxes or oils should be removed using a Zyvox® mold and part cleaner.

Four or more coats of Sealer GP should be applied according to the technical data sheet. Allow 15 minutes between each coat and 30 minutes after the final coat.

1. Apply Composite Shield to a small area of the mold (1-2 ft²; 0.2 m²) using a paper towel or clean, lint-free cloth.
2. While still wet, gently wipe dry using a separate clean paper towel or lint-free 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 Composite Shield in the same way, and wait for a minimum 30 minutes before using mold.

5. For touch-ups, apply a single coat of Composite Shield as above and allow 30 minutes for cure before using the 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. NOTE: *Product is moisture-sensitive. Container must be kept tightly closed when not in use.*

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