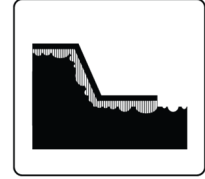




Zyvax® Sealer 500W

Water-Based Sealer



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Description

Zyvax® Sealer 500W is a high-performance, water-based sealer designed for use in the aerospace industry. This sealer treats both the chemical and physical bonding sites found on every tool surface, delivering a durable film with superior abrasion resistance. Zyvox® Sealer 500W eliminates the break-in time for new tools and reduces downtime by extending the number of releases between cleaning cycles. When applied in conjunction with the appropriate semi-permanent release agent, Zyvox® Sealer 500W provides multiple, effortless releases.

Uses

Zyvax® Sealer 500W is suitable for use with virtually all tooling and manufacturing processes used in the molding of composite aerostructures.

Application

The tool should first be properly cleaned using the appropriate Zyvox® mold cleaner according its product data sheet. If the mold is extremely porous, such as with tooling boards or 3D printed substrates, use of the appropriate Zyvox® mold primer is also suggested.

1. Saturate an approved cloth with Zyvox Sealer 500W.
2. Working in small areas, wipe a light and continuous coat of the sealer onto the tool.
3. Before the sealer coating dries, wipe with a second clean, dry cloth to thin the film and aid with carrier evaporation. Replace cloths as needed to ensure adequate drying.
3. Repeat in the same manner in rows/sections, overlapping slightly to ensure full coverage of the tool.
4. Let cure for 15 minutes between coats.
5. Apply 1 - 3 more coats of Zyvox® Sealer 500W in the same manner for a total of 2 - 4 coats.
6. After the final coat, allow to cure for a minimum of 60 minutes at room temperature before applying release agent. For best performance, it is recommended to bake the coating at 100°C for a minimum of 15 minutes, once reaching that temperature.

Important

The recommended number of coats and cure times are a general guideline found to be more than sufficient in a broad spectrum of tooling conditions. When tooling products with extreme geometries or experiencing low humidity conditions in the shop, the customer may find the need to extend the cure time between coats and increase the number of coats applied to the tool. The efficiency of a release film is best determined through a combination of tape tests and experimentation.

Storage

Store product between 5°C and 30°C (41°F and 86°F). Keep from freezing. Keep container tightly sealed to prevent evaporation and/or contamination. If stored in cold temperatures, allow to warm to room temperature before using.

Handling

We believe Zyvox® Sealer 500W is a low degree of hazard when used as intended. For more information, request a copy of the Safety Data Sheet.

Packaging

Zyvax® Sealer 500W is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Further Information

Request information on our complete range of materials: custom-formulated release agents for polyurethane tooling; tire lubes and bladder coatings; Mono-Coat® semi-permanent release coatings; aerosol formulations; tool 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.