

SILVERSHIELD 320

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DESCRIPTION

SILVERSHIELD 320 is an odorless 100% water-based, NON VOC specialty release agent. **SILVERSHIELD 320** is designed primarily for use as a semi-permanent sealer/release coating for parts that require good lay-up adhesion. **SILVERSHIELD 320** can also be applied directly on top of the Zyvox **WATERSHIELD** and **ENVIROSHIELD** release agents to improve surface adhesion for low tack prepregs. **SILVERSHIELD 320** when combined with our water-based cleaner, **WATERCLEAN**, can provide a solvent-free release system.

SILVERSHIELD 320 benefits are:

- * ENVIRONMENTALLY SAFE
- * No solvents or alcohol
- * No CFC's, VOC's, or ODC's
- * Fast cure
- * Non-flammable
- * No Silicone

TYPICAL PROPERTIES

| | | |
|-------------------|---|----------------------------------|
| Appearance & Odor | : | Opaque liquid with bland odor |
| Carrier | : | Water |
| Flash Point [C.C] | : | None |
| Coverage | : | Approximately 1200 Sq. Ft/Gallon |
| Wt/Gallon | : | 8.5 lbs/Gallon |
| Cure Requirement | : | Ambient |

USES

SILVERSHIELD 320 is recommended for releasing epoxies, phenolics, polyester resins, polyimides, polybismaleimides, various rubbers and elastomers. **SILVERSHIELD 320** is specified for applications where the use of flammable products or solvent based materials are not desired.

SURFACE PREPARATION

Before applying **SILVERSHIELD 320**, all previous waxes or oils should be removed using Zyvox **WATERCLEAN**.

MOLD CLEANING

WATERCLEAN has been developed to replace solvent-based cleaning solutions. **WATERCLEAN** is stand-alone product that can be used to clean and prepare molds and/or parts when further processing is needed. **WATERCLEAN** provides an effective alternative for the removal of surface contaminants without harming the working surface of the mold and/or part. **WATERCLEAN** is RECOMMENDED FOR MOLD PREPARATION BEFORE APPLICATION OF AN APPROPRIATE MOLD SEALER.

HOW TO APPLY SILVERSHIELD 320

1. Apply one light coat of **SILVERSHIELD 320** to mold using a Bounty® paper towel, clean lint free cloth, or hand sprayer.
2. Wait approximately 15 minutes, and apply 2nd coat of **SILVERSHIELD 320**.
3. Wait 15 minutes and apply the 3rd coat of **SILVERSHIELD 320**.
4. Allow a set time of 30 minutes before using mold.
5. For touch up: apply a single coat of **SILVERSHIELD 320** as above and continue processing.
6. Clean up can be accomplished with water and a detergent.

ALTERNATIVE APPLICATION

SILVERSHIELD 320 can also be applied as follows directly on top of the an existing Zyvox **WATERSHIELD** or **ENVIROSHIELD** release agent to improve surface adhesion for low tack prepregs

1. Apply one light coat of **SILVERSHIELD 320** directly on top of the **WATERSHIELD** or **ENVIROSHIELD** using a Bounty® paper towel, clean lint free cloth, or hand sprayer.
2. Wait approximately 15 minutes to dry.
3. Apply a coat of **SILVERSHIELD 320** as above for each part.

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. Maximum product life is not to exceed 18 months from Date of Manufacture.

WARNING Never puncture any Zyvox product container.

SAFETY DATA

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

SHIPPING DATA

| | | |
|---------------------------|---|------|
| DOT SHIPPING NAME | : | None |
| DOT HAZARD CLASSIFICATION | : | None |
| DOT I.D. NUMBER | : | None |

PACKAGING

SILVERSHIELD 320 is available in the following sizes:

1-U.S. gallon can
5-U.S. gallon pail
55-U.S. gallon pail

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.**