

DE-COMP COMPOSITES, INC.

WATERSHIELD V

DESCRIPTION

WATERSHIELD V is a refined formula that should be used for high temperature applications, when spraying is the desired application method, where re-application after each part is specified or when it is not possible to do a “wipe off” step. **WATERSHIELD V** gives outstanding performance when applied over **SEALER GP**. **WATERSHIELD V** is water-based and so versatile that it can be used in most molding operations. To have a totally solvent-free mold release system, use **WATERCLEAN**, **SEALPROOF**, and **WATERSHIELD V**.

WATERSHIELD V benefits are:

- * **ENVIRONMENTALLY SAFE**
- * **No solvents or alcohol**
- * **No CFC's, VOC's, or ODC's**
- * **Fast cure**
- * **Non-flammable carrier**
- * **No build-up on mold**
- * **Thermal Stability**
- * **High Gloss**
- * **High slip/lubricity**
- * **Easy recoat/touch-up**

TYPICAL PROPERTIES

Appearance & Odor : Opaque liquid with bland odor
Carrier : Blend of water & non-ionic emulsifiers
Flash Point [C.C] : None
Coverage : Approximately 1200 Sq. Ft./Gallon
Wt/Gallon : 8.0 lbs/Gallon
Cure Requirement : Ambient or heat

WATERSHIELD V USES

- **Is recommended for releasing epoxies, phenolics, polyester resins, polyamides, polybismaleimides, various rubbers and elastomers.**
- **Specified for applications where the use of flammable products or solvent based materials are not desired.**

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WATERSHIELD V (cont.)

SURFACE PREPARATION

Before applying WATERSHIELD V, all previous waxes or oils should be removed using WATERCLEAN, and a suitable mold sealer should be applied. If surfaces have been coated with a semi-permanent release agent, it may be possible to simply solvent wipe, dry, and apply WATERSHIELD V. A test patch should be done to confirm this possibility.

MOLD CLEANING

WATERCLEAN has been developed to replace solvent-based cleaning solutions. WATERCLEAN is a 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.

MOLD SEALING

For wood, gel coat, steel, carbon-graphite, fiberglass, polyester epoxy, urethane, and aluminum use SEALPROOF for a durable, highly visible, penetrating film with superior adhesion and especially with poor or porous surfaces. Additional water based Zyvax sealers would be SEALMATTE (non-glossy surface) and SEALBRITE (high gloss surface). WATERSHIELD V can also applied over the Zyvax solvent-based SEALER GP.

HOW TO APPLY WATERSHIELD V

1. Apply one light coat of WATERSHIELD V to a small area of the mold using a Bounty paper towel, or hand sprayer.
2. Wait approximately 2 minutes, and then lightly wipe over the mold surface using a separate clean Bounty paper towel.
3. Wait 15 minutes and apply the second coat of WATERSHIELD V.
4. Wait approximately 2 minutes, and then lightly wipe over the mold surface using a separate clean Bounty paper towel.
5. Allow a set time of 30 minutes before using mold. If application has been made to a warm surface, a shorter waiting period is needed. The use of heat (hot air, heat gun, oven) can enhance performance.
6. For touch up apply a single coat of WATERSHIELD V as above and continue processing.

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WATERSHIELD V (cont.)

STORAGE & SHELF LIFE

Store in a dry area in the original closed container. **DO NOT** store at elevated or freezing temperatures. Shelf life – 12 months providing original container remains unopened.

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

WATERSHIELD V is available in the following sizes:

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

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