



A Chem-Trend Brand

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Zyvax.com

Nano Release – Water-Based Semi-Permanent Release Agent

Description

Nano Release is a high performance release coating. Nano Release outperforms conventional solvent-based products, offering multiple release efficiency across a wide range of molding compounds. For the correct mold release system best suited to your needs, see our website:

www.zyvax.com.

Nano Release Benefits

- Thermal stability: 400 °C (750 °F)
- High gloss
- Fast, room temperature application
- High slip / lubricity
- Low odor
- Non-flammable
- Minimal build-up on mold
- Easy recoat / touch-up

Uses

Nano Release is recommended for releasing epoxies, phenolics, polyester resins, polyimides, polybismaleimides, various rubbers and elastomers from a variety of tooling materials, including but not limited to aluminum, steel, invar and epoxy or polyester composites.

How To Use

Before applying Nano Release:

All previous surface treatments, residues, waxes or oils should be removed using a ZYVAX mold and part cleaner. The mold should be properly sealed with a ZYVAX mold sealer according to the technical data sheet.

1. Apply one light coat of Nano Release to a small area of the mold (1-2 ft²; 0.2 m²) using a clean, lint-free cloth or hand sprayer. Continue wiping until the surface is covered with a thin wet film of material.
2. While the surface is still wet, wipe with a clean cloth or towel until the surface is dry.
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. Allow to cure at room temperature for a minimum of 15 minutes.
4. Apply a second coat of Nano Release in the same way, and wait for a minimum of 30 minutes before using mold. After 30 minutes, any surface imperfections can be removed using a clean, dry cloth and the mold is ready for use. For touch-ups, apply a single coat of Nano Release as above and allow 30 minutes for cure before using the mold.

Safety Data

Material safety data sheets for all Zyvax[®] 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.

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.

WARNING: *Never puncture any Zyvax[®] 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