

## Quickskin – Solvent-Based Mold Master Surface Conditioner

### Description

Quickskin can support the demands for rapid prototyping because it cures at room temperature in minutes. This permits an almost instant ability to produce one off or short run parts and expedites the creation of masters for molds or parts. Quickskin provides a uniform pinhole free surface, replacing polyester or epoxy fillers and reducing the overall cost of prototyping.

### Quickskin Benefits

- Fast, room temperature cure
- Thermal stability: 135 °C (275 °F)
- Easy to apply using foam roller or brush
- No sanding or post-curing required

### Uses

Quickskin can be used on both syntactic and foam, epoxy and urethane tooling materials of any density as well as a carbon graphite and carbon foam. Quickskin effectively seals thermoplastics used in a variety of rapid prototyping processes including SLS, FDM and stereolithography. Quickskin can also be used to seal patterns made of wood or fiberboard.

### How To Use

Before applying Quickskin:

The surface should be clean, dry and free of dust and debris from the machining or sanding processes used to achieve the desired shape.

Apply Quickskin to a small area of the surface (1-2 ft<sup>2</sup>; 0.2 m<sup>2</sup>) using a foam paintbrush or paint roller. Low-density (< 20 lbs/ft<sup>3</sup>; 320 kg/m<sup>3</sup>) blocks require a heavy first coat that when properly applied will soak into the mold surface. High-density blocks require a light coat and a properly applied first coat will likely leave an observable film.

1. Apply in horizontal and vertical strokes until the surface is evenly coated. Make sure 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.
2. Wait for a minimum of 15 minutes.

3. Apply 2 - 6 coats of Quickskin in the same way, and wait for a minimum of 15 minutes between coats. The number of coats required is dependent on the surface porosity. The surface will be smooth to the touch when completely sealed. Quickskin can be touched-up or repaired by applying the necessary number of coats to the damaged area until it is re-sealed.
4. For optimum release, use any Zyvox<sup>®</sup> or Waterworks release agent on top of the sealed substrate.

### Safety Data

Material safety data sheets for all Zyvox<sup>®</sup> products are available at [www.zyvax.com](http://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. After opening, product should continue to be stored properly.

**WARNING:** *Never puncture any Zyvox<sup>®</sup> 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*