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# The Freedom of Flexibility

**Flex**  
**Z**<sup>®</sup>



When it comes to slipcoat™ technology, the truth will set you free... not to mention your molded product. Flex-Z is an industry breakthrough—a variable release slipcoat™ system that gives total control to the molder. An array of six resin polymers with a common platform, Flex-Z is the prescription whenever flexibility in mold release levels is an absolute requirement. Formulated to control physical and chemical factors in polyester-molding environments, Flex-Z reduces prep time, eliminates sag and delivers predictable release across the performance spectrum from minimum to maximum slip. Flex-Z... another innovation from the bright minds at Zyvox.



**The Mold Release People**

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## Attributes

- Easy application using any method — spray or wipe
- Easy cleanup
- High gloss
- No streaks
- Odorless
- Predictable performance

## Benefits

- Packaged as an easy-to-use, color-coded and numbered system (z1.0 - z6.0).
- Works on any size or type mold.
- Suitable for all open and closed molding processes, from wet lay-up to RTM and Infusion.
- New GLOSSCOAT technology reduces mold prep times and eliminates streaking across the full range of application techniques.
- Reduces styrene build up – molds stay cleaner longer.
- Eliminates gel coat “sag”, fish eyes and pre-release.
- HAP-free to meet new emission restrictions.

## Shipping Data

DOT Shipping Name:	Resin Solution
DOT Hazard Classification:	Flammable Liquid
DOT I.D. Number:	UN 1866

## Packaging

Flex-Z is available in the following sizes:

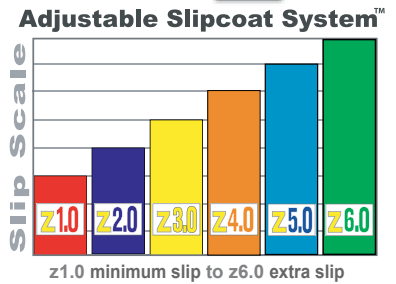
USA:	1 US-gallon Can 5 US-gallon Pail 55 US-gallon Drum
Europa:	3 Liter Can 19 Liter Pail 200 Liter Drum

### LIMITATION 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 Zyvox to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Zyvox quality control. We assume no responsibility of 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 Zyvox, expressed or implied, statutory, by operation of law or otherwise, including fitness for a particular purpose. REV 8/2006.

## Flex-Z System

Clearly identified products, coded by number and color, allow molders to apply the level of release performance needed throughout an entire mold, or in each specific area of a mold or process. Using the graph, the molder can easily adjust up or down to achieve desired results. The Flex-Z system includes:



- Z1.0 Minimum Slip
- Z2.0 Low/Medium Slip
- Z3.0 Medium Slip
- Z4.0 Medium/High Slip
- Z5.0 High Slip
- Z6.0 Extra Slip

## Application Process

Flex-Z is easy to apply and does not require special training:

- 1) Select the Flex-Z product from the chart with the desired level of release.
- 2) Thoroughly clean the mold surface with Zyvox WaterClean or Surface Cleaner according to the products' directions.
- 3) Apply a thin coat of Flex-Z on the mold surface using a new, clean 100% cotton 1x1 knit cloth (similar to the material used in tee-shirts) or HVLP-type sprayer. Apply Flex-Z in an orderly pattern until the surface is completely covered.
- 4) Allow a 15-minute cure time.
- 5) Repeat Steps 3 and 4 for a total of three coats, allowing 15 minutes between each application. (Additional coats may be required depending on the condition of the mold, your molding process, or molding materials.)
- 6) After the final coat, allow 15 minutes to cure before using the mold.
- 7) For touch up, apply one coat of Flex-Z, as above, when necessary.

## How to adjust the slip level

Changes in slip level can be achieved easily in the whole mold or any portion of the mold. Select a different Flex-Z level and apply one coat directly on top of the previous Flex-Z product on the area(s) where the adjustment is desired. It is not necessary to strip off earlier coatings of Flex-Z when making this change.

***Please Note: It is not necessary to use a sealer in the application of Flex-Z; unless, the mold is new, repaired or the surface of the mold is deteriorated.***

(Visit our web page, [www.zyvox.com](http://www.zyvox.com), to learn more about Flex-Z and the full line of Zyvox products)

## Safety Data

Material Safety Data Sheets are available for all Zyvox products and should be consulted prior to use of product. Go to [www.zyvox.com](http://www.zyvox.com) to obtain the relevant MSDS.

## Storage and Shelf Life

When stored in a cool, dry area in the original unopened container, the product will remain active for a minimum of one year.

## Handling

Safety glasses, gloves and vapor respirators are required when working with Flex-Z.