

North America's largest materials supplier for making parts, patterns, tools, and molds

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**December  
2018** *in this  
issue*

### Product Spotlights, Technical Q&A, and Exclusive Newsletter Video Links

NEW Videos now available to view, 15% off Fillers on our  
DIY website, and RenShape FAQ from our Tech Team!

**Our Interactive  
Closeout List  
is live!**

**DIY-size Products:  
Direct Ordering  
on Miapoxy.com**

[Miss our last newsletter? Click here to view!](#)

## The 2018 Catalog is NOW AVAILABLE!

**140+ Full-Color Pages of:**

- ★ Products & Images
- ★ Specifications
- ★ How-To Guides
- ★ and now Steel Rule  
Die supplies!



**Request Now!**

# Create Backups with Freeman 1105 Pourable Foam



*Fiberglass / Surface Coat Mold*



*Pour Freeman 1105*



*Allow to Expand*



*Lightweight Backfill*

**Freeman 1105** is a pourable expanding foam that cures rigid for creating a stable backing structure for a variety of applications. This product is commonly used as a backup material in trim fixtures, laminated molds, and thermoform tools.

- 5 lb./ft<sup>3</sup> Density
- Easy 1:1 Mix Ratio
- 20 min. Demold Time
- Volumetric Expansion of 10x Original Pour
- Yields approximately 300-350 in.<sup>3</sup> / lb.



**Want to see more ways to use Freeman 1105?**  
Stay tuned for future newsletters where we'll feature different applications for Pourable Foam!



**Request Cured Sample**

**Have questions? Contact our Tech Team at  
(800) 321-8511 opt. 5 or [tech@freemansupply.com](mailto:tech@freemansupply.com)!**

**NEW**  
*Product!*

## Scalpels & Replacement Blades

Our NEW all-purpose carbon steel **Scalpels** easily cut a variety of materials including sheet wax (pictured), gel-coated fiberglass, nomex, acetate, vacuum bagging materials and prepreg!



**Order Now!**



## DIY CORNER

*Sale!*

### Fiberglass Tape SALE!

Get 10% off Fiberglass Tape purchases when you order direct on [Miapoxy.com](http://Miapoxy.com) with code **FT10!**

Our plain weave fiberglass tapes are available in various widths, manufactured with bound/hemmed edges and a 627 silane finish. These tapes are used with fiberglass cloth or separately to laminate plastic tooling for exact duplication applications.



**Order Now!**

*Sale on Miapoxy.com only. Ends 5/31/18*

## Tech Q&A



**The Tech Team is ready to help!**  
Monday – Friday, 8 am – 5 pm EST  
Just call (800) 321-8511 opt. 5

## Priming and Sealing – Important First Steps

Check out these FAQs for using Semi-Permanent Primers and Sealers as the first steps in creating durable and long-lasting mold surfaces. All of our Accessories are available on our [website](http://Miapoxy.com).





**Q: Do you offer a primer and sealer that can handle temperatures over 600°F?**

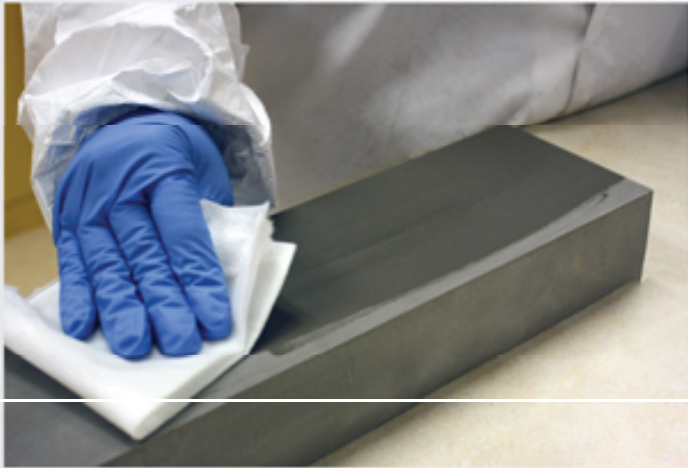
**A:** [Chemlease MPP 2660 Mold Prep & Primer](#) and [Chemlease Mono-Coat E308 Sealer](#) can handle temperatures up to 700°F.

**Q: Which sealer works best with [RenShape 5065 Epoxy Tooling Board](#)?**

**A:** Both [Chemlease MPP 117 Mold Prep & Primer](#) and [Chemlease MPP 2180 Mold Prep & Primer](#) can be used to seal RenShape 5065. [Chemlease 15 Sealer EZ](#) can be used to fill micro porosity of your tool and provide an active surface for your releases.

**Q: Do you have a water-based sealer that can handle temperatures over 400°F?**

**A:** We have several water-based sealers to choose from depending on your desired surface. [Zyvax Sealproof Mold Release](#) creates a matte surface while [Zyvax Sealbrite](#) and [Zyvax Sealer GP](#) create a high-gloss surface.



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(800) 321-8511 opt. 5 or [tech@freemansupply.com](mailto:tech@freemansupply.com)!**

## Exclusive Newsletter Videos

As always, the following videos are exclusive to newsletter subscribers!



[Creating a Part with Freeman Fillers](#)

[Casting Thin-Walled Parts](#)

[Casting Molds & Models w/Intricate Detail](#)

[Multiple Cavity Molds](#)

[Silicone Molds w/Complex Parting Lines](#)

[Building an Epoxy/Fiberglass Mold](#)

[Vacuum Bagging a Carbon Fiber Part](#)

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Don't forget to take advantage of our [website](#) for resources such as TDS, SDS, and more for all of our products. Thank you for subscribing to our newsletter, and we look forward to servicing your material needs!

**Sincerely,**

**Freeman Manufacturing & Supply Company**

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**Robly**