

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

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## October 2017 *in this issue*

Product Spotlights, Technical Q&A,  
and Exclusive Newsletter Video Links  
Use a Polyurethane Elastomer as a Surface Coat!  
Get great deals on Closeout Plywood!

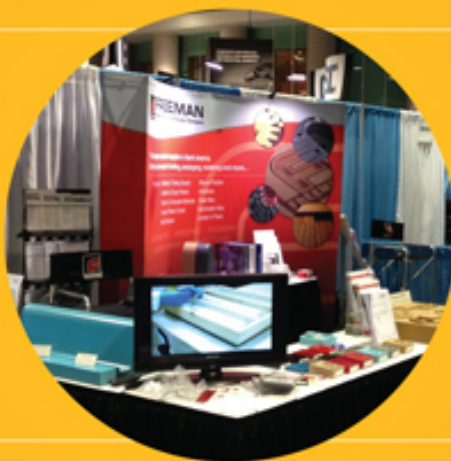
Our Interactive  
Closeout List  
is live!

DIY-size Products:  
Direct Ordering  
on [Miapoxy.com](#)

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

### Visit us at CAMX 2017!

- ★ Talk to our Tech Team
- ★ Get product literature
- ★ See product samples
- ★ Mention this newsletter and get a FREE DVD!



Booth P18

Orange County  
Convention Center  
in Orlando, FL

Dec. 12-14, 2017

## High Quality Plywood

Get 'em before they're gone!

A large selection of our high-quality solid Birch and Maple-veneer plywoods are now available on our [Closeout List](#). Some boards may be slightly warped but otherwise are the same as our first-quality boards at half the retail price!

now at  
**HALF**  
the  
**PRICE!**

[View Closeouts](#)

While supplies last, minimum  
order quantities may apply.



# Did you know you can use a Polyurethane Elastomer as a Surface Coat?

Are you creating a larger or thicker tool that needs high wear resistance? Are you creating a tool with intricate detail? Try using one of our Polyurethane Elastomers as a Surface Coat, namely **Freeman 1060**!

This technique is ideal for foundry applications as well as creating fixtures. Freeman 1060 offers the most wear resistance for foundry use, but it can only be cast up to 2" thick. To create a tool thicker than 2" with the heavy-duty features of an elastomer, back up Freeman 1060 with **Repro**, which can be cast to larger thicknesses.



Available in  
Red or Black



For tools with intricate details, this technique is more ideal than surface casting. Freeman 1060, when used as a durable surface coat, will easily replicate details such as lettering and texture with no air entrapment.

## Try it for yourself!

Adding **RenCast 6400** resin to Freeman 1060 results in a brushable and sag-resistant consistency.

After you have applied the appropriate amount of layers/thickness of the Freeman 1060, allow it to cure completely.

Then, rough up the surface and apply **Devcon FL-20 Primer** per the product instructions.

You are now ready to pour **Repro** or another Fast-Cast Urethane on the backside of the elastomer!



See the Instructions

*Have questions about this application? Contact your local technical representative or email [tech@freemansupply.com](mailto:tech@freemansupply.com)! Don't know your local rep? Email or call and we'll be happy to refer you!*



## Name Change Announcement

Elkem and Bluestar Silicones International have announced their formal integration into one company. All Bluestar products are now referred to as Elkem products. The quality you have come to expect from Bluestar products as well as Freeman's support of these silicones will remain the same.

*If you have any questions, please contact our Tech Team [here](#).*



# DIY CORNER

## RenShape Cut Sizes - New Inventory Available!

New stock of our smaller, easier to handle sizes of RenShape is now available for direct ordering on [Miapoxy.com](http://Miapoxy.com)!

Want to try RenShape at a reduced price? These cut and non-standard sizes are available in a variety of dimensions. Get yours today at 50% off list price! We currently have cut sizes available for RenShape [472](#), [BM-70](#), and [5179](#).



Explore RenShape Cut Sizes



*All cut sizes are available only while supplies last.*

## Tech Q&A



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



ASK  
*Linda*

Freeman's Product Manager Linda and her Tech Team are constantly testing products and answering your toughest questions.

### Our Tech Team was asked...

*How will adding [Elkem \(Bluestar\) 47V-50](#) silicone fluid affect the properties of my silicone rubber?*

### Product Manager Linda answers:

*47V-50 is used primarily as a thinner to reduce the viscosity of two-part RTV silicone. Depending on the amount of 47V-50 used, adding this fluid could increase gel time, shrinkage, and elongation of the silicone as it cures.*

*Conversely, tensile and tear strengths along with hardness of the cured mold could decrease. With the exception of transfer print pad applications, the maximum recommended level of 47V-50 is 10 parts by weight added to 100 parts of the silicone Base Rubber.*

## Our Tech Team was asked...

*What is a good material for a fast yet durable repair to an aluminum mold or part?*

### Product Manager Linda answers:

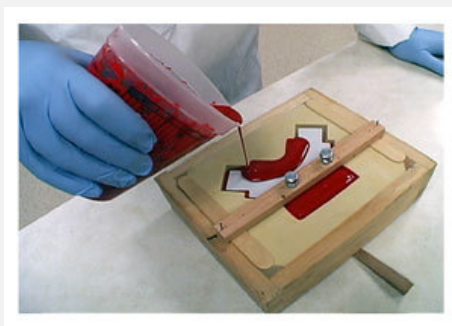
*Freeman's **TUF-Fil Aluminum** is an excellent repair material for aluminum. It has a paste consistency for easy application and provides a durable, long-lasting repair. It is inexpensive, solidifies in 15 minutes, and can be sanded or machined to the contour of the part.*

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

## Exclusive Newsletter Videos

Our comprehensive [video library](#) features product demonstrations and how-to guides.

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](#)

[Full Video Library](#)

[YouTube Channel](#)

[Purchase DVD on !\[\]\(83bbbd261710c59db0214aa27b2edc0d\_img.jpg\)](#)

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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