

## GFR40

### PRODUCT INFORMATION

	<u>Stock No.</u> 96000	<u>Package Size</u> 3kg
Description	GFR40 is a two-component elastomeric self-levelling rubber system uniquely designed to provide flame retardant in-situ gaskets.	
Recommended Applications	<ul style="list-style-type: none"> <li>Material ideal for casting, moulding and potting applications</li> </ul>	
Approval	<ul style="list-style-type: none"> <li>NATO Approved (Stock No. 3709505)</li> </ul>	

### PRODUCT DATA

Typical Physical Properties	Colour Mix Ratio by Weight Mix Ratio by Volume Pot life at 25°C (minutes) Density (g/cm <sup>3</sup> ) Functional Cure Time (Hours) Tensile Strength (MPa) Elongation (%)	Battleship Grey 88.5 : 11.5 5.37 : 1 15-25 1.57 24 1 500
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## APPLICATION INFORMATION

Cure	Allow GFR40 to cure for 24 hours at 22°C before returning to service
Surface Preparation	<p><b>Metal Surfaces:</b> Thoroughly clean the area that is to be repaired, rebuild or lined by using MEK, Acetone, IPA or similar. All oil, grease and dirt must be removed before applying GFR40 material. All surfaces must be roughened by grinding with a coarse wheel or an abrasive disc pad.</p> <p><b>Rubber Surfaces:</b> Thoroughly clean the rubber area with an abrasive pad and MEK, Acetone, IPA or similar. You may take a grinding wheel and roughen the surface. The rubber surface must be coarse and free from oil and dirt clogged in the 'pores' of the rubber. Using MEK, Acetone, IPA or similar wipe or roughen surface until the colour of the rubber substrate no longer appears on cloth. The rubber should look new or a deeper black in colour.</p> <p><b>Concrete Surfaces:</b> Concrete being a very porous substrate requires multiple cleaning. Degrease the area with a suitable detergent and thoroughly rinse the area. A pressure washer is useful for quick and efficient cleaning. Let the floor dry thoroughly before applying Primer and GFR40.</p> <p><b>Priming Surfaces:</b> Metal Surfaces: On metal surfaces apply two coats of FL-10 Primer and allow to dry tack free for 15 minutes. Rubber Surfaces: On rubber and urethane surfaces apply a coat of FL-20 Primer and allow to dry tack free for 15 - 30 minutes. On porous rubber surfaces, it may be necessary to apply multiple coats.</p> <p><b>Wood &amp; Fibreglass:</b> Use FL-20 Primer for all wood and fibreglass products. Wood will typically need two coats because of their absorption characteristics.</p> <p><b>Immersion Substrates:</b> Use both Primers, first apply the FL-10 Primer and let it dry for 60 minutes. Next coat with FL-20 Primer. Let it dry for 30 minutes before applying the GFR40 material.</p>
Mixing	Add curing agent to the resin container and stir vigorously for 2 minutes. Ensure that the two parts are fully mixed by scraping along the bottom and side of the container. It is preferable to use an electric drill and mixer to mix the GFR40 material. Make sure the mixer attachment is completely submerged during the mixing process. If not you risk mixing in large amounts of air and this will cause bubbles in the finished product.
Application	<p><b>Mouldmaking</b></p> <ul style="list-style-type: none"> <li>• First ensure good surface preparation and coat the entire box with Devcon's Release Agent. Let it dry for 10 minutes. Apply a second coat, and let this dry for 10 minutes.</li> <li>• Now take a small brush and apply a thin coat of mixed product over the surface. This helps to alleviate any air bubbles in the curing process.</li> <li>• Then pour the liquid into the box. It is recommended to tilt the box slightly onto one side when pouring to let the air escape easily and produce no blow holes in the finished product.</li> <li>• After the GFR40 has been poured, it helps to play a hot air gun back and forth over the top of the mould to help release air bubbles that want to get to the surface.</li> </ul>
Shelf life & Storage	A shelf life of 2 years from date of manufacture can be expected when stored at room temperature (22°C) in their original containers.
Precaution	For complete safety and handling information, please refer to Material Safety Data Sheets prior to using this product.
Warranty	Devcon will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control we can accept no liability for the results obtained.
Disclaimer	<p>All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Devcon makes no representations or warranties of any kind concerning this data.</p> <p>For product information visit <a href="http://www.bigagroup.com">www.bigagroup.com</a> / <a href="http://www.devconeurope.com">www.devconeurope.com</a> alternatively for technical assistance please call +385 52 880 882 or send an e-mail to <a href="mailto:biga@biga.hr">biga@biga.hr</a>.</p>



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