





Technical Data Sheet






Product Name	<i>MarkGuard</i> 2 Part Epoxy Primer
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Issue date	05/15/2007
Product code	2000

Product Description & Function	
<p>MarkGuard is a High Solids 2 part Epoxy/Polyamide primer designed for both metal and wood protection. MarkGuard Epoxy primer gives outstanding adhesion, water & chemical resistance combined with excellent corrosion protection. MarkGuard Epoxy Primer has been designed for use as a wet on wet primer system. MarkGuard Epoxy Primer is available in Gray and Red colors. (contains a non-toxic anti-corrosive pigment)</p>	

Substrates & Preparation	
	<p>Aluminum- Scuff with Scotchbrite pad or 240grit-320grit depending on grade of Aluminum Steel- Commercial blast SSPC-SP 6-82 or better recommended. Minimum Surface prep required Hand Tool cleaning SSPC SP 2-82. OEM/2K/Aged- Sand with 180-320 grit sand paper WOOD- Sand with 180-320 grit sand paper</p>

Cleaning	
	<p>All surfaces should be pre-cleaned prior to preparation and prior to application of primer with MT&R's C-165 Degreasing Cleaner.</p>

Application				
		HVLP	Pressure Pot	Airless/ Air Assisted
	<p>Mixing Ratio by Volume MarkGuard-A Epoxy Primer MarkGuard-B Hardener Thinner</p>	<p>1 Part 1 Part Not generally required</p>	<p>1 Part 1 Part Not generally required</p>	<p>1 Part 1 Part Not required</p>
	<p>Spray Viscosity</p>	#3 Zahn: 15-19 Sec.	#3 Zahn: 15-19 Sec.	#3 Zahn: 15-19 Sec.
	<p>Gun Set Up</p>	1.8 siphon	1.1 – 1.4	.011-.013 (40-50 deg.)
	<p>Number of Coats</p>	1 medium followed by 1 full		1 full coat
	<p>Flash Off</p>	10-15 minutes between coats		N/A
	<p>Drying</p>	30 minutes @ 70c 2-3 hours @ 25 c		
	<p>Pot Life</p>	4 hours @ 25c		
	<p>Film Build</p>	Minimum 100 microns WFT (4 mils) 50 microns DFT (2 mils)		
	<p>Over coating</p>	After 45 minutes without sanding as a wet on wet process with any UreGuard Topcoat System.		
	<p>VOC (Ready for Use)</p>	<3.2 lbs/gal, 384 g/l (As applied)		

T-180 Thinner T-50 Thinner T-80 Thinner	Fast Medium Slow	Dependant on temperature or size of vehicle to enable a Wet Edge to be retained. The choice of correct thinner will give optimum lay down of product and ease of application.
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Hardener Option	
# MarkGuard 2000 B Hardener	MarkGuard -B Hardener is the only option available for MarkGuard -A Epoxy Primer.

Technical Information	
Solids	74.5 – 76.5%
Flashpoint	Below 21 F (-6 C)
Storage	12 Months in Original sealed container
Equipment Cleaning	Standard Cleaning Thinner
Coverage	430 square feet per gallon at 2 mils dry (Theoretical with no loss)
VOC (mixed)	3.2 lbs/gal, 384 g/l

Special Properties
<p>Outstanding adhesion / chemical resistance / corrosion resistance / impact resistance.</p> <p>Good adhesion to difficult substrates.</p> <p>Ideal for use with UreGuard Acrylic Aliphatic Urethane</p> <p>MarkGuard Epoxy Primer should not be applied in temperatures below 50 F (10 C) as curing times become extended beyond practical limits.</p> <p>Simple mixing ratio of one to one eliminates costly errors.</p>

Health & Safety
<p>Refer to “Material Safety Data Sheet” and can / pail labels prior to use.</p> <p>Wear suitable respiratory equipment.</p>

PLEASE CONSULT THE MATERIAL SAFETY DATA SHEETS FOR SAFE HANDLING INSTRUCTIONS

<p>To the best of our knowledge, the information contained on this page(s) is accurate, but no guarantee is given; expressed or implied. This is due to the great variations possible in applicator techniques, surface preparation, storage conditions, and individual job conditions. Many of MT&R’s products contain reactive chemicals. Therefore care should be taken in using them. With the exception of the waterborne products, all products should be treated as flammable materials and kept away from open flames. Mark Tool & Rubber Co, Inc. assumes no responsibility for accidents or injuries resulting from product use. Liability, if any is limited to replacement of the product.</p>
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