

ML01() METALOCK DTM HIGH BUILD PRIMER **TECHNICAL DATA SHEET**

Description

ML01() METALOCK DTM HIGH BUILD PRIMER is a direct-to-metal epoxy primer designed for metal, aluminum, SMC and fiberglass. ML01() utilizes the latest technology to provide superior adhesion, outstanding corrosion protection and exceptional sanding properties creating a solid and dependable foundation for any project.

Exceptional filling properties

Features

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- Superior adhesion \geq Outstanding corrosion protection \geq
- **Epoxy technology**
- Easy to sand

Typical Properties

High build primer and sealer

Containers

ML010 kit contains

Color - ML01() Color - MLH1() RTS weight solids RTS volume solids Regulatory VOC ML01() Actual VOC ML01() Regulatory VOC MLH1() Actual VOC MLH1() Regulatory VOC MIXED Actual VOC MIXED Pot life @ 70°F (21°C) and 50% R.H. Coverage at 2 mils

ML014 METALOCK DTM HIGH BUILD PRIMER (quart), MLH16 METALOCK HARDENER (1/2 pint) and ML010 METALOCK DTM HIGH BUILD PRIMER KIT One gallon of ML011 METALOCK DTM HIGH BUILD PRIMER and one quart of MLH14 METALOCK HARDENER Grav Clear to amber 61% 40.5% 0.63 #/gl (76 g/l) 0.32 #/gl (38 g/l) 5.45 #/gl (654 g/l) 4.47 #/gl (536 g/l) 2.01 #/gl (242 g/l) 1.15 #/gl (138 g/l) 12 hours

Please refer to www.semproducts.com for physical properties and VOC information. Use VOC calculator to determine VOC of mixtures. Check local VOC regulations to ensure compliance of all products in your area.

325 sq.ft./gl

Handling and Application **PREPARATION**:



Metal and Aluminum:

Clean with 38373 SEM SOLVE or 38381 WORLD CLASS™ SURFACE CLEANER. Apply to 180 grit sanded or sandblasted metal or aluminum. If rust or corrosion is present, grind or sandblast until all rust and corrosion has been removed. Blow off and clean again with 38373 or 38381.

SMC and Fiberglass:

First, clean with 38353 PLASTIC LEATHER PREP or 38381 WORLD CLASS™ SURFACE CLEANER. Next, sand with 180 grit sand paper. Blow off dust and re-clean with 38353 or 38381. Blow off again to ensure the surface is completely dry.

NOTE: When using **METALOCK** as a sealer, sand the surface with 320 grit sandpaper or finer.

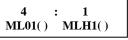
MIXING:

For best results, use at approximately 70°F (21°C).



Thoroughly mix ML01() METALOCK DTM HIGH BUILD PRIMER and MLH1() METALOCK HARDENER before use.

As a HIGH BUILD PRIMER, mix by volume:



As a **PRIMER SEALER**, mix by volume:

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ML01()		MLH1()		SR or SRX REDUCER	

SRX REDUCER must be used to maintain VOC < 2.1 #/gl (250 g/l)

METALOCK is ready to spray once mixed and does not require an induction period. **NOTE: MLH1()** may appear yellow or darken over time. This is normal and will not affect the product's performance.

APPLICATION:



			Flash Time between
	Fluid Tip	Coats	Coats
HIGH BUILD PRIMER	1.7-2.0	2 Medium	10-15 minutes
PRIMER SEALER	1.3-1.5	1 Medium	10-15 minutes

Air Pressure:

Time to Apply Body Filler:

6-9 psi at the cap with HVLP equipment 25-45 psi for non HVLP equipment 24 hours

Allow a minimum of 2 hours dry time before sanding. Allow a minimum of 1 hour before topcoating. Dry times may vary depending on film build and shop conditions.

If waiting longer than 24 hours to recoat, **METALOCK** must be sanded with 180 grit or finer sand paper.

CLEANUP:



STORAGE:



ML01() METALOCK DTM HIGH BUILD PRIMER and **MLH1() METALOCK HARDENER** should be stored in a cool dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **ML01()** and **MLH1()** is 3 years when stored under normal conditions.

TECHNICAL CONSULTATION SERVICE

Our Technical Staff is ready to assist you with any questions. You are invited to take advantage of our extensive experience, laboratory services and trained field service representatives. Call (800) 831-1122 for answers to your questions. Hours of operation are Monday through Thursday 8:00 am until 5:00 pm EST and on Friday 8:00 am until 4:30 pm EST.

Use appropriate cleaning materials compliant with VOC regulations in your area.

DISCLAIMER: The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed. All users of the materials are responsible for assuring that it is suitable for their needs, environment and use. All data subject to change as SEM deems appropriate.

Users should review the Material Safety Data Sheet (MSDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the MSDS and product label are available upon request.

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