



# 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.

## Features

- Superior adhesion
- Outstanding corrosion protection
- Epoxy technology
- High build primer and sealer
- Exceptional filling properties
- Easy to sand

## Typical Properties

Containers

**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**

**ML010** kit contains

Color - <b>ML01( )</b>	Gray
Color - <b>MLH1( )</b>	Clear to amber
RTS weight solids	61%
RTS volume solids	40.5%
Regulatory VOC <b>ML01( )</b>	0.63 #/g1 (76 g/l)
Actual VOC <b>ML01( )</b>	0.32 #/g1 (38 g/l)
Regulatory VOC <b>MLH1( )</b>	5.45 #/g1 (654 g/l)
Actual VOC <b>MLH1( )</b>	4.47 #/g1 (536 g/l)
Regulatory VOC <b>MIXED</b>	2.01 #/g1 (242 g/l)
Actual VOC <b>MIXED</b>	1.15 #/g1 (138 g/l)
Pot life @ 70°F (21°C) and 50% R.H.	12 hours
Coverage at 2 mils	325 sq.ft./g1

Please refer to [www.semproducts.com](http://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.

## 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:

4	:	1
ML01( )		MLH1( )



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

4	:	1	:	1
ML01( )		MLH1( )		SR or SRX REDUCER

**SRX REDUCER must be used to maintain VOC < 2.1 #/g1 (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:**



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

Air Pressure: 6-9 psi at the cap with HVLP equipment  
25-45 psi for non HVLP equipment

Time to Apply Body Filler: 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:**

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



**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.

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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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