

### MC-1C Silver Primer

MC-1C silver primer is a single component moisture cured urethane primer.

#### Product Features

- ◆ Low temperature cure
- ◆ Provides excellent adhesion to steel surfaces

#### Theoretical Solids Content:

Volume: 61%

#### Shelf Life\*

Single Component:  
6-12 Months

\*For unopened product.

#### Pot Life of Mixed Product:

8-10 Hours\* @ 77°F (25°C) and 50% RH

\*Less if Endura Super Catalyst II is used.



#### Suitability

Endura MC-1C provides outstanding corrosion resistance with excellent adhesion to marginally prepared steel surfaces.

**Topcoating MC-1C Silver Primer is NOT recommended\*\*.**



#### Surface Preparation

**Steel Surfaces** - For best results surfaces should be sandblasted to a commercial sandblast. However, due to the outstanding adhesion of MC-1C Silver Primer to irregular surfaces, removal of loose rust by hand or power tool cleaning is adequate.

**Galvanized Steel** - Acid etching.

**Wood** - Thin first coat 24% with thinner, allow a one hour flash time, but not more than two ours, between coats.

**Polyurethane Foam** - Surface must be clean but no pretreatment is required.

**Note: Not recommended for aluminum, fiberglass or flexible substrates; for these substrates use EP-2C Sealer.**

Surface must be free of all contaminants - dust, dirt, oil, grease, salt, etc.



#### Mixing Ratio

Single component coating.

Use Endura EX-2C thinner to suit application equipment (usually from 5 - 15% for conventional spray).

#### Environmental Conditions

To prevent condensation during application the surface temperature must be 3°C (5°F) or more above the dew point at all times.

\*for use outside this range please contact your Endura representative.

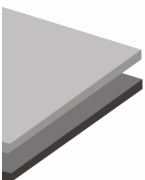


#### Spray Gun Setup

Brush or roller may also be used for minor touch ups or when painting very small areas.

Feed Type	Fluid Tip	Application Pressures ( heel of gun )	Fluid Delivery
Siphon Feed	1.6-1.8 mm	40-50 psi	
Gravity Feed	1.6-1.8 mm	30-40 psi	
Pressure Feed	1.4-2.0 mm	50-60 psi	10-14 oz/min
Air Assist Airless	9-17 Thou	1,000-1,800 psi	
Airless	13-17 Thou	1,700-3,000 psi	

**Electrostatic spray is NOT recommended.**



MC-1C Primer  
Substrate

# MC-1C Silver Primer

MC-1C silver primer is a single component moisture cured urethane primer.

### Product Features

- ◆ Low temperature cure
- ◆ Provides excellent adhesion to steel surfaces

### Theoretical Solids Content:

Volume: 61%

### Shelf Life\*

Single Component:  
6-12 Months  
\*For unopened product.

### Pot Life of Mixed Product:

8-10 Hours\* @ 77°F (25°C) and 50% RH

\*Less if Endura Super Catalyst II is used.



### Recommended Film Build Thickness and Cover Rate

Endura MC-1C silver primer has a recommended film thickness of 2.5 - 3.0 mils (75 - 125 microns) dry.

Theoretical coverage at 1.0 mil (25 microns) DFT: 976 ft<sup>2</sup> per gallon @ 100% transfer efficiency.



### Drying Time\*

	20°C (68°F)	30°C (86°F)	40°C (104°F)
Topcoat	NOT RECOMMENDED**		
Full Cure	7-9 Days	5-6 Days	3-4 Days

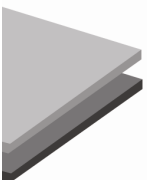
**Note:** At lower temperatures, even below freezing, MC-1C silver primer will cure at satisfactory rates.

\* Subject to ambient conditions (temperature and humidity) film build and good airflow. For improved scheduling please contact your Endura representative.

\*\*For topcoating application instructions please contact Endura.

### Specifications

Hardness	ASTM D3363	4H
Solvent resistance	ASTM D4752	100 MEK rubs; NO failure
Abrasion resistance (1000 cycles CS-17)	ASTM D4060	25 mg loss
Impact resistance	ASTM D2794	30 in. lbs; NO failure
Flexibility	ASTM D522	1/8" mandrel bend; NO failure
VOC	For VOC amounts please refer to the product MSDS	



MC-1C Primer  
Substrate



### Clean Up

Endura high strength gun wash, Endura epoxy reducer or Endura EX-2C thinner.