



# AMERICAN COATINGS

## SX SERIES SURFACE TOLERANT EPOXY PRIMER

65% volume solids, primer for use over hand tool and / or power tool cleaned, water blasted, or sandblasted surfaces.

### GENERAL FEATURES

- A PRACTICAL PRIMER TO USE WHERE SAND-BLASTING IS NOT PERMITTED
- EXTENDED RECOATABILITY
- EXCELLENT ADHESION TO TIGHT RUST
- CURES AT LOW TEMPERATURE
- CAN BE APPLIED OVER A VARIETY OF TOPCOATS OR USED AS A TIE COAT BETWEEN SYSTEMS

### DESCRIPTION

This coating may be applied over marginally prepared steel surfaces where it is not possible to abrasive blast. It may be applied over old and aged coating systems that have been hand-prepared, and are free of oil, contaminants and loose paint flakes. This coating can be topcoated with alkyds, epoxies or polyurethanes. Consult your American Coatings representative for extended recoatability information.

\*Excellent service in salt and fresh water.

### USES

American SX Series Epoxy can be overcoated with epoxies, polyurethanes, alkyds, or acrylics. The SX series is an excellent primer after water blasting operations. SX Series can be applied over slightly rusty or damp surfaces.

**NOTE:** SX has extended recoatability; however, follow good paint practices by removing dirt, chalk, and other foreign matter before topcoating.

### PRODUCT COLORS

- SX 22 .....Red Oxide
- SX 64.....Gray
- SX 97.....Buff

### PHYSICAL DATA

Finish -----Eggshell  
 Applied Over ----- Steel, Aluminum  
 Components ----- Two  
 Cure ----- Catalytic 1:1w/ SX Cat  
 V.O.C. ----- 2.68 lbs. / gal.

**Volume Solids ± 2%** ----- 65%

### **Recommended Film Thickness**

Wet ----- 6 – 9 mils  
 Dry ----- 4 – 6 mils  
 Number of Coats ----- One  
 Application Method ----- Airless or Conventional Spray,  
 Brush or Roller

**Thinning Required**----- 0 – 10%

Dry Times @ 50% RH

	77 F	40 F
TOUCH	1 hr	7 hr
TACK FREE	2 hr	15 hr
TOPCOAT	6 hr	36 hr

Induction Time-----Not required

\*Theoretical Coverage at:

Recommended Thickness----- 261 – 174 sq. ft/gal

### **Temperature Limit**

Immersed ---- Consult American Coatings Representative  
 Atmospheric ----- 200° F

### **Miscellaneous Properties**

Shelf Life ----- 1 year

Pot Life – Mixed @ 77° F-----3 hours

Mixed @ 90° F -----1 hours

**CAUTION: ELEVATED TEMPERATURES  
DRAMATICALLY REDUCE POT LIFE**

### SURFACE PREPARATION

Surfaces should be free of dust, dirt, oils, moisture and other contaminants.

\* Coverage's are theoretical and do not make provision for spray losses



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TEST (ASTM)	RESULTS
HARDNESS (ASTM D-3363)	HB
WEIGHT (ASTM D-1200)	AVG 10.5 pounds/gallon
IMPACT (ASTM G-14)	20 inch pounds direct 10 inch pounds reverse
SOLVENT RESISTANCE (ASTM D-5402)	200 + after 7 days
TAPE ADHESION (ASTM D-33359 A / B)	5A and 5B
PULL OFF ADHESION (ASTM D - 4541)	1000+ psi (Elcometer)
SPECULAR GLOSS (ASTM D-523)	15 units at 60 degrees
SAG RESISTANCE (ASTM D-4400)	16 mils minimum
OIL IMMERSION D (ASTM D-1308)	Passes 1000 Hours
SALT FOG RESISTANCE (ASTM B-117)	Passes 1000 Hours

### APPLICATION METHOD

Airless spray preferred, but can be brushed, rolled, or sprayed with conventional equipment.

### MIXING

Thoroughly mix Part A before adding Part B, then mix Part A and Part B thoroughly together at a 1:1 ratio taking care to get good color consistency. Induction time is not required. Product should be used immediately

### CLEAN-UP AND THINNING

Clean all equipment immediately with TH 315 thinner. If thinning is necessary thin with TH 760 or TH770 thinner.

### SPRAY EQUIPMENT

#### **FOR AIRLESS SPRAY**

Pump Ratio ----- 33:1  
Air Supply (in) ----- 75 – 80 psi

Hose Diameter (ID) -----3/8"  
Hose Length ----- 100'  
Hose Length -----(at elevated temperatures) ----- 50'  
Tip Size ----- .017 - .025  
Atomization Pressure ----- 2,475

#### **FOR CONVENTIONAL SPRAY**

Spray Pot with Dual Regulated Air Gauges for Pot Pressure and air atomization.

Air Supply (in) ----- 100 psi  
Material Hose (ID) -----1/2"  
Material Hose Length ----- 50'  
Air Hose (ID) ----- 5/16"  
Fluid Pressure (psi) ----- 10 –25 psi  
Air Atomization ----- 40 – 60 psi  
Fluid Tip Orifice Size (in) ----- .070"- .080"

### SAFETY INFORMATION

#### **FOR PROFESSIONAL USE ONLY! WARNING! FLAMMABLE!**

Keep away from sparks or flame. Vapors may cause flash fire. Use with adequate ventilation. Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator during and after applications unless air monitoring demonstrates vapor/mist levels are below applicable limits. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

### SHIPPING DATA

Proper Shipping Name ----- Paint Liquid  
Hazard Class----- Part A: Flammable Liquid  
Part B: Flammable Liquid

Flash Pt. °F SETA -----60° F Part A  
80° F Part B

UN 1263 ----- 1263

### PACKAGING

Shipping Wt.     PART A             PART B  
Ones 11.3 lbs.     Ones 11.8 lbs.  
Fives 56.5 lbs.     Fives 59 lbs.



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**DISCLAIMER**

The facts stated and the recommendations and suggestions herein are based upon experiments and supplier information believed to be reliable. No guarantee is made of their accuracy, however, and American Coatings ASSUMES NO LIABILITY FOR PRODUCT FAILURE OTHER THAN TO SUPPLY REPLACEMENT MATERIAL FOR PRODUCTS SHOWN TO BE DEFECTIVE WHEN DELIVERED OR TO REFUND THE PURCHASE PRICE. Except as stated, THERE ARE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. AMERICAN COATINGS SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL AND CONSEQUENTIAL DAMAGES. No statement contained herein shall be constructed as an inducement to infringe existing patents or as an endorsement of specific manufacturers.

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