

## Prime Solution 5250 / 5253 Primer

### Red 5250 / Gray 5253

<b>DESCRIPTION</b>	A water base, low VOC, single package, rust inhibitive acrylic primer.		
<b>USES</b>	Prime Solution Gray 5253 / Red 5250 is unique in its ability to adhere to metal surfaces with slight contamination of oils or greases. See Surface Preparation section below. Can be used on ferrous and nonferrous metals.		
<b>APPEARANCE</b>	Red / Flat Gray		
<b>RECOMMENDED TOPCOAT</b>	Prime Solution 5250 / 5253 Primer		
<b>PHYSICAL PROPERTIES</b>			
WEIGHT PER GALLON	10.1 lbs.		
SOLIDS BY WEIGHT	44%		
SOLIDS BY VOLUME	32%		
RECOMMENDED DFT (per coat)	1.0 mils		
WET FILM TO ACHIEVE DFT	3.0 mils		
THEORETICAL COVERAGE @ 1 Mil DFT	527 sq. ft./gallon		
PRACTICAL COVERAGE @ RECOMMENDED DFT	527 sq. ft./gallon (assumes 15% material loss)		
DRY TIMES @ 70°F - 80°F (21° - 27°C) AND 50% RH	Tack Free	15-30 minutes	
	Handle	30 minutes	
	Recoat	1-2 hours	
	Fully Cured	7 days (rate can be accelerated)	
DRY HEAT RESISTANCE	400° F		
SHELF LIFE	2 years		
PACKAGING	1 gallon, 5 gallon		

#### SURFACE PREPARATION

Quality paint jobs occur with quality preparation, products and application. Quality preparation includes cleaning the surface to be painted to remove all contaminants. Some customers do not have the proper equipment to adequately clean parts to be coated with water base coatings and may only solvent wash parts. For those customers, we have developed Prime Solution 5253 / 5250. PS 5253 / 5250, in laboratory tests, is able to bite through to surfaces contaminated with motor oil, cutting oils and mineral oils. Steel test plates were coated with oil and wiped with a paper towel to remove excess oil. The test plates were then sprayed with PS 5253 / 5250 and air dried for 7 days or heat dried at 160°F for 2 hours. The primer was then tested for adhesion using ASTM D3359 cross hatch adhesion test method and rated 5B or 100% adhesion. While we would always recommend that surfaces be cleaned as well as possible, tests indicate that PS 5253 / 5250 can supply a quality paint job on surfaces with some oil contamination. We recommend you test PS 5253 / 5250 in your process to determine results in your application. Steel surfaces should have rust, grease, dirt, oil or loose paint removed. We recommend washing with BC 4000 Cleaner/degreaser. Solvent wash and wipe would be a second choice.

**APPLICATION**

Apply only when air and surface temperatures are between 50°F and 100°F and surface temperature is at least 5°F above the dew point.

**Important Note: DO NOT store or subject recently primed metal components to temperatures below 50 degrees Fahrenheit for at least 72 hours. Even when primer appears dry to touch, store at controlled temperatures to allow for proper curing.**

**THINNING**

ROLLER/BRUSH:	Fresh Water	Thinning is normally not required. Use 5%-10% if needed. (approximately 1/2 pint per gallon)
AIR-ATOMIZED SPRAY:	Fresh Water	Use 10%-20% or more as needed. (approximately 1 1/2 pints per gallon).
AIRLESS SPRAY:	Fresh Water	Thinning normally not required, use 5%-10% if needed (approximately 1/2 pint per gallon)
CLEANUP:	Fresh Water	

**EQUIPMENT RECOMMENDATIONS**

BRUSH	Use good quality synthetic bristle brush.
ROLLER	Use good quality synthetic roller cover.
AIR ATOMIZED SPRAY	Follow equipment manufacturers nozzle and needle selection recommendation for use with heavy latex paint.
AIRLESS SPRAY	Use .015 to .017 tip at 2500 to 3000 psi.
HOT SPRAY	Recommended temperature 100° F to 120 F.

**SAFETY INFORMATION**

VOC	1.67 lbs per gallon less water, 200 grams per liter less water.
FLASH POINT	Non-Flammable
USDA Meets	USDA requirements for use in federally inspected meat and poultry plants

**WARNING**

Do not take internally. Close containers tightly after use and keep upright. In case of spillage absorb and dispose of in accordance with local applicable regulations.

For specific information refer to the Material Safety Data Sheet.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

**PRODUCT ORDERING INFORMATION:  
PRIME SOLUTION 5253/5250**

Product Number	Size	Wt./Case	Case Quantity
30-5253-01	Gallon	42	4
30-5253-05	5 Gallon	53	1
30-5250-01	Gallon	42	4
30-5250-05	5 Gallon	53	1