

PRIME SOLUTION 5250

(PS 5250)

DESCRIPTION A water base, low VOC, single package, rust inhibitive acrylic primer.

USES Prime Solution 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 non-ferrous metals.

APPEARANCE Flat Red.

RECOMMENDED TOPCOATS Superlife 316 DTMR, Steel Tuff-316, Topcoat 1010

PHYSICAL PROPERTIES

WEIGHT PER GALLON	10.1	
SOLIDS BY WEIGHT	43%	
SOLIDS BY VOLUME	32%	
RECOMMENDED DFT	2.0	
WET FILM TO ACHIEVE DFT		
THEORETICAL COVERAGE....	6.0 mils	
@ 1 Mil DFT	527 sq. ft./gallon	
PRACTICAL COVERAGE		
@ RECOMMENDED DFT...	225 sq. ft./gallon	
(Assumes 15% material loss)		
DRY TIMES @ 70°F - 80° F	Tack Free	15-30 minutes
(21°-27°C) AND 50% RH	Handle	30 minutes
	Recoat	1-2 hours
	Fully Cured	7 days (can be accelerated)
DRY HEAT RESISTANCE	400° F	
SHELF LIFE	2 years	
PACKAGING	Gallon, 5 Gallon and 55 Gallon Drum	

SURFACE PREPARATION

GENERAL

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 5250. PS 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 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 5250 can supply a quality paint job on surfaces with some oil contamination. **We recommend you test PS 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.

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	1.49 lbs per gallon less water, 178 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 5250

<u>Product Number</u>	<u>Size</u>	<u>Wt./Case</u>	<u>Case Quantity</u>
30-5250-01	Gallon	42	4
30-5250-05	5 Gallon	53	1
30-5250-55	55 Gallon	623	1

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