

PRIME SOLUTION 5253

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

USES Prime Solution 5253 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 Gray

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

PHYSICAL PROPERTIES

| | |
|-----------------------------|---|
| WEIGHT PER GALLON | 10.1 |
| SOLIDS BY WEIGHT | 44% |
| 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 5253. PS 5253, 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 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 can supply a quality paint job on surfaces with some oil contamination. **We recommend you test PS 5253 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

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|--------------------|---|
| 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

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|-------------|--|
| 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

| Product Number | Size | Wt./Case | Case Quantity |
|----------------|-----------|----------|---------------|
| 30-5253-01 | Gallon | 42 | 4 |
| 30-5253-05 | 5 Gallon | 53 | 1 |
| 30-5253-55 | 55 Gallon | 623 | 1 |

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