

Prime Solution 5253 Primer

Gray 5253

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

USES Prime Solution Gray 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 nonferrous metals.

APPEARANCE Gray

RECOMMENDED TOPCOAT Prime Solution 5253 Primer

PHYSICAL PROPERTIES

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 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.