

AMERCOAT® 5108

December 2012
Revision of October 2012

DESCRIPTION	Alkyd Shop Primer
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> – VOC Compliant <2.8 lb/ gal – Excellent sprayability – Resists corrosion
COLOR AND GLOSS	Oxide Red, Gray Flat
BASIC DATA	
Volume solids	51% ± 3%
VOC	2.8 lbs/gal (340 g/L)
Recommended	
Dry film thickness (per coat)	2 - 3 mils (50-75 microns)
Theoretical Spread Rate	@ 2 mils dft 409 ft ² / gallon
Components	1
Shelf Life	2 years from date of manufacture
SURFACE PREPARATION	Coating performance is, in general, proportional to the degree of surface preparation.
Steel	<ul style="list-style-type: none"> – Remove all rust, dirt, moisture, grease or other contaminants from the surface. Power tool clean in accordance with SSPC SP-3 or hand tool clean to SSPC SP-2 requirements. Alternately, abrasive blast to SSPC SP-7 requirements. Abrasive blasting to SSPC SP-6 or better is also allowable and will give the best possible system performance. Achieve a blast profile of 1.0-2.0 mils. Avoid over-blasting as pin-point rusting may develop.
Non-ferrous metals	<ul style="list-style-type: none"> – Remove all rust, dirt, moisture, grease or other contaminants from the surface. Lightly abrasive blast with fine abrasive to produce a uniform and dense anchor profile of 1.0 – 2.0 mils in accordance with SSPC SP-16. Alternately, disc grind or power sand with a hard grit to achieve a uniform and dense profile (minimum of 1 mil). Do not apply over galvanizing, zinc coatings, or concrete.
ENVIRONMENTAL CONDITIONS	
Ambient temperatures	40°F to 100°F (5°C to 38°C) Surface temperature must be at least 5°F above the dew point temperature.
Material temperatures	50°F to 90°F (10°C to 32°C)
Relative humidity	85% maximum
Surface temperature	40°F to 110°F (5°C to 43°C)
General air quality	Area should be sheltered from airborne particulates and pollutants. Ensure good ventilation during application and curing. Provide shelter to prevent wind from affecting spray patterns.
INSTRUCTIONS FOR USE	
Mixing	Agitate with a power mixer for 1-2 minutes until completely mixed. Pre-mix with a pneumatic air mixer at moderate speeds to homogenize the container.
Airless spray	30:1 pump or larger, 0.015-0.017 fluid tip
Air spray	Thin up to 20%, standard conventional equipment, 0.070" fluid orifice, Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.



AMERCOAT 5108

Brush & roll	Use a high quality natural bristle brush and / or solvent resistant, 1/4" nap roller. Ensure brush / roller is well loaded to avoid air entrainment. Level air bubbles with a brush. Multiple coats may be necessary to achieve adequate film build.
Thinner	<i>Amercoat 5108</i> is typically used without thinning. If thinning is desired, use <i>Amercoat 15</i> (mineral spirits).
Cleaning solvent	<i>Amercoat 12 Cleaner</i> or <i>Amercoat 65 thinner</i> (xylene)
Primers	Direct to substrate, application over aged coatings that are cleaned and abraded (a test patch is recommended)
Topcoats	<i>Amercoat 5400-series</i> alkyds, 7-line alkyds
Safety precautions	For paint and recommended thinners see safety sheet 1430, 1431 and relevant material safety data sheets This is a solvent borne paint and care should be taken to avoid inhalation of spray mist or vapor as well as contact between the wet paint and exposed skin or eyes.

DRY/CURE TIMES*

	50°F	70°F	90°F
Dry to touch	60 min.	40 min.	30 min.
Dry through	24 hours	12 hours	6 hours
Dry to recoat / topcoat	24 hours	12 hours	6 hours
Maximum recoat / topcoat	unlimited		

* Dry times are dependent on air and surface temperatures as well as film thickness, ventilation, and relative humidity. Surface must be clean and dry. Any contamination must be identified and removed.

AVAILABILITY

Packaging	Available in 1-gallon and 5-gallon units	
Product codes	AT51082	Gray
	AT51087	Oxide Red

Worldwide statement	While it is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.
---------------------	--

WARRANTY STATEMENT

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product.

THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG.

Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

LIMITATION OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT.



AMERCOAT 5108

The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk.

PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product.

Current sheets for all PPG Protective & Marine Coatings Products are maintained at www.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.
