



Amercoat 2214

Zinc Chromate Alkyd primer

Product Data/ Application Instructions

- Zinc Chromate alkyd primer
- Easily applied by brush, roller or spray

Amercoat 2214 is an alkyd based coating for industrial and marine use. To obtain the maximum performance for which Amercoat 2214 is formulated, strict adherence to all application instructions, precautions, conditions and limitations is necessary. If conditions exist that are not within the requirements or limitations described, consult your PPG representative.

Typical Uses

Amercoat 2214 is a zinc chromate pigmented alkyd primer suitable for steel structures and equipment in industrial, rural or marine atmospheres at temperatures up to 150°C. Contact PPG Technical Service Department for specific recommendations.

Physical Data

Finish.....	flat
Colour	Oxide Red , Yellow
Components	1
Curing mechanism	solvent release and reaction with oxygen from the air
Volume solids	54,5 %
Dry film thickness	40-70 µm per coat 1.5 -3 mils per coat
Number of coats	1 - 2
Calculated coverage	13.6 m ² /l at 40 µm

Allow for application losses, surface irregularities, etc.

Specific gravity	1.36 kg/ltr
Flash points (Closed Cup) °C	°F
Amercoat 2214	40 104
Amercoat 15	42 108

Packaging	25 L in 25 L can
Shipping weight.....	approx. 38 kg

Shelf life.....	1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C
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Surface Preparation

Blast in accordance with Sa 2½ Swedish Standard SIS 05-5900 1967

Remove abrasive residues and dust from surface.

Application Equipment

The following equipment is listed as a guide and suitable equipment from other manufacturers may be used.

Adjustments of pressure and change of tip size may be needed to obtain the proper spray characteristics.

AIRLESS SPRAY - Standard airless spray equipment such as Graco, DeVilbiss Nordson-Bede, Spee-Flo or others having a 28:1 or higher pump ratio and a fluid tip with a 0.013 to 0.015 inch (0.33 to 0.38 mm) orifice.

CONVENTIONAL SPRAY – Standard Industrial equipment such as DeVilbiss MBC or JGA with 765 air cap and "E" fluid tip, or Binks no. 18 or 62 gun with a 66 x 63 PB nozzle setup. Separate air and fluid pressure regulators. Mechanical pot agitator and a moisture and oil trap in the main air supply line are recommended.

MIXER - Use power mixer powered by an air motor or an explosion proof electric motor.

Application Data

Substrate steel

Application methods airless or conventional spray

Environmental Conditions (during application and drying)

Air temperature: 4 to 50°C

Surface temperature: 4 to 55°C

Surface temperature must be at least 3°C above dew point to prevent moisture condensation on the surface. Do not attempt to apply heavier coats at elevated temperatures as this may cause sagging or surface wrinkling. Apply coating at recommended film thickness.

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Application Procedure

Amercoat 2214 is a one component product and packaged 25 l in a 25 l can.

1. Clean equipment thoroughly with Amercoat 15.
2. Skin, if any, should be removed by straining through cheese cloth strainer.
3. Stir material thoroughly before application.
4. Dust areas to be coated.
5. Spray on a heavy, wet coat, making even parallel passes. Overlap each pass 5 0% to avoid pinholes, bare areas and holidays.
6. Double-lap spray all corners, welds, rough spots, edges, etc.
7. Clean all equipment after application with Amercoat 15

If using airless spray

- a. Thinning is not normally needed, but of required for workability, thin with no more than approx 10 % volume Amercoat 15.
- b. Hold spray gun 45-60 cm (18-24 inches) away from surface at right angle to work

If using conventional spray

- a. Do not thin except for workability then with no more than approx.10 % volume of Amercoat 15.
- b. Hold spray gun 25 cm (10 inches) from surface at right angle to work.
- c. Regulate air pressure: 1.5- 2.5 atm (20-30p si) to spray pot (with DeVilbiss)5 -7a tm(75-100psi).

Note : Pressure requirements may vary with hose length and temperature.

If using a brush

- a. Thin with no more than 10 Volume percent of Amercoat 15.
- b. Apply in even, smooth strokes, working material into surface thoroughly.

Drying time between coats:
Minimum 16 hours at 20°C.

Shipping Data

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Caution

This product is flammable. Keep container closed. Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to health:

1. circulate adequate fresh air continuously during application and drying;
2. use fresh air masks and explosion proof equipment;
3. prohibit all flames, sparks, welding and smoking.

Do not empty into drains. Take precautionary measures against static discharges. For specific information on hazardous ingredients, required ventilation, possible consequences of contact, exposure and safety measures see Safety Data Sheet.

Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods.

Warranty

PPG warrants its products to be free from defects in material and workmanship. PPG's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at PPG's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-conforming products. 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, or one year from the delivery date, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

PPG makes no other warranties concerning the product. No other warranties, whether express, implied or statutory, such as warranties of merchantability or fitness particular purpose, shall apply. In no event shall PPG be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by PPG, whether in its technical literature, or response to specific enquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyer's having requisite skill and know-how in the industry, and therefore it is Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

PPG's liability on any claim of any kind, including claims based upon PPG's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall PPG be liable for consequential or incidental damages.

Due to PPG's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the PPG Protective & Marine Coatings website at www.ppgpmc.com

To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

Condition of Sale

All our transactions are subject to our Terms and Conditions of Sale.

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