



AMERPRIME CC22/1

DECEMBER 2007

Product Data

- A 2K Polyamide/Epoxy
- Forms a hard matt film that is free sanding.
- Good adhesion to GRP, concrete, inorganic zinc primers and properly prepared metal surfaces.
- Primer for durable systems with wide range of topcoats, including polyurethanes and acrylics.
- Suitable for immersion service.
- Easy application.
- Practical 4:1 mixing ratio.
- Contains no lead or chromate pigments.
- Compatible with a wide range of substrates and surface preparations.
- Excellent resistance to splash and spillage of a wide range of solvents and chemicals.
- Excellent abrasion resistance.
- Excellent mould resistance.

Uses

- Chemical industry, oil industry, gas works, waste water treatment, fibreglass industry.
- Shipping and pleasure marine applications.
- Tank lining for steel or concrete water tanks.
- Industrial structural steel, machinery and piping.

Apply wet film thickness of 110-200 microns (50-90 microns DFT).

Overcoat with 2K Iso Free 3-24 hours – no sanding, >24 hours – sand 280.

Overcoat with Polyurethane 3 hours – 1 week – no sanding, >1 week – sand 280.

Overcoat with Epoxy 3 hours – 1 month – no sanding, >1 month – sand 280.

May be used as a shop primer, or as a holding primer during prolonged blast cleaning of extensive surfaces.

Amercoat CC22/1 is specifically designed for use as a free-sanding primer for superior marine and industrial finishes after overnight cure.

Total Solids Content

69% (wt), 45% (vol) ready for use

Theoretical Coverage

9 sq.m/L @ 50µm DFT, 6 sq.m/L @ 75µm DFT.

Practical coverage rates will be lower than theoretical and this must be taken into consideration when calculating costs.

Thinning and Clean Up

Once catalysed, product is at spray viscosity.

For Metalspray and Inorganic Zinc, thin for mist coat 15% with 470T.

Clean gun and equipment with 470T.

Colour Availability

White, Grey, Beige, Blue, Red Oxide, Green, Black

Packaging

CC22/1A : 3.2L

CC22/1B: 0.8L

Substrates

Bright Steel/Aluminium/Galv – MUST be preprimed with 719 Polyetch.

Blasted Steel

Fibreglass/Epoxy

Concrete

Plywood

Customboard

Mixing Ratio

Mix 3.2L CC22/1A with 0.8L CC22/1B Hardener (4:1).

Pot Life

Once catalysed, pot life is 3-5 hrs @ 20C.

Surface Preparation

Steel – remove all loose rust, dirt, grease or other contaminants by one of the following, depending on the degree of cleanliness required:

AS1627.7 Hand Tool Cleaning

AS1627.2 Powder Tool Cleaning

AS1627.4 Blasting to Class 2 or 2 ½

For more severe service and immersion, clean to Class 2 ½. For potable water immersion, Class 3. Profile of 50-75 microns. The choice of surface preparation will depend on the system selected and end use service conditions.

Aluminium – degrease. Scour with Scotchbrite. Degrease again.

Galvanised Steel – Clean and degrease. Use a proprietary acid wash if the surface has been chromate treated.

Fibreglass/Epoxy – sand and dust down. Degrease.

Concrete – sweep blast, mechanically grind or acid etch.

Plywood/Customboard – Block down. Wipe with solvent containing cloth.

Health and Safety

Avoid breathing vapour. Use with adequate ventilation. High concentrations of vapour may cause headache or nausea, affect the nervous system and respiration.

Do not use in the presence of naked flame or other sources of ignition. Store away from heat.

Wear safety glasses / goggles, a half face respirator with organic vapour cartridge, and PVC or nitrile chemical handling gloves.

If spraying in a confined area, a positive pressure air respirator should be worn.

Store / dispose of residues in accordance with local body regulations.

First Aid

If poisoning occurs, contact a doctor. The Poisons Information Centre may be of assistance – telephone 0800 POISON (0800 764 766) (NZ), 13-11-26 (Australia).

If swallowed, do NOT induce vomiting. Give a glass of water to drink and get medical attention urgently.

If affected by vapour, get into fresh air immediately.

If splashed into the eyes, flush them with copious quantities of clean water for 15 minutes and get urgent medical attention.

If splashed onto skin, wash with soap and water.

For further information, refer to the Material Safety Data Sheet for this product.

Application Instructions

Adhere to all instructions, precautions, conditions and limitations during storage, handling, application and drying periods to obtain maximum performance. For conditions outside the requirements or limitations described, contact your PPG Industries representative.

Application

1. Stir each component thoroughly, then combine base and hardener and mix until uniform.
2. No induction time is required before application.
3. Do not mix more material than can be used within potlife. Potlife is shortened at elevated temperatures.
4. For conventional spray, use adequate air pressure and volume to ensure proper atomisation.
5. Apply a wet coat in even, parallel passes; overlap each pass 50%. If required, cross spray at right angles to avoid holidays, bare areas and pinholes. Note: When applying directly over inorganic zincs or zinc rich primers, a mist coat / full coat technique may be required to minimise bubbling. This will depend on the age of the primer, surface roughness and environmental conditions during application and curing.
6. Normal recommended dry film thickness per coat is 60-75 microns.
7. When using brush or roller application methods, multiple coats may be required to achieve proper film thickness.
8. When used as a tank lining, check film continuity of material with a non-destructive holiday detector, such as Tinker and Razor Model M-1. Apply additional CC22/1 on areas requiring touch up.
9. Clean all equipment with recommended thinner immediately after use.

Airless Spray – Wagner 7000H with G10 or G20 gun (480mm) tip, 6mm line and 15MPa fluid pressure. Equivalent equipment or other pumps can be used.

Conventional Spray – Use pressure pot and De Villbis JGA502 gun with E fluid tip (1.8mm) / 704 air cap. Set atomising pressure to 400-480kPa and pot pressure according to length of line. Equivalent equipment may be used.

Rolling – Use medium nap (10mm) roller.

Drying

60 microns DFT @ 20 deg C.

Touch dry – 1 hour

Recoat minimum – 3 hours

Hard dry – overnight

Full cure for immersion – 7 days



Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

CAUTION:

Improper use and handling of this product can be hazardous to health.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapour concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. PPG Industries makes no recommendation about the types of safety measure that may need to be adopted because these depend on application environment and space, of which PPG Industries is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

This product is for industrial use only.

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.

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