



AMERCOAT 771

MARCH 2003

Product Data

Amercoat 771 is an underwater hull coating with the following properties:

- Excellent seawater immersion resistance
- Compatible with vinyl tar, bituminous anti corrosives and chlorinated rubber bottom systems
- Compatible with a broad range of antifouling paint, including copolymer, super tropical and chlorinated rubber types
- Single pack
- VOC 417 g/L
- Flat finish

Uses

- Repair of vinyl tar, bituminous anticorrosive and chlorinated rubber bottom systems
- Complete anticorrosive bottom system
- Compatible system with copolymer ablative antifouling paint systems and all antifouling paints

Colour Availability

Brown

Packaging

Available 4L

Substrates

Steel

Aluminium – preprimed with 719 Polyetch

Galvanised Steel – preprimed with 719 Polyetch

Existing coatings

Total Solids Content

52 ± 3% by volume

Thinning and Clean Up

Thin with up to 6% 475 Reducer.

Clean equipment with 475.

Drying

Touch Dry – 1 hour @ 10C, 45' @ 21C, 30' @ 32C.

Through Dry – 5 hours @ 10C, 3 hrs @ 21C, 1.5 hrs @ 32C.

Recoat / topcoat minimum – 6 hours @ 10C, 4 hrs @ 21C, 2 hrs @ 32C.

Recoat / topcoat maximum – none.

Theoretical Coverage

Approximately 5 sq.m/L @ 100µm DFT.

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

Surface Preparation

Coating performance is, in general, proportional to the degree of surface preparation. Prior to coating, all surfaces must be clean, dry and free from all contaminants, including salt deposits.

Steel (non immersion): New steel surfaces to be a minimum AS1627.4 Class 2. Blast to achieve a 38-63 microns profile, as indicated by a Keane-Tator Surface Profile Comparator, Testex Tape or similar device.

Steel (immersion): Blast to AS1627.4 Class 2 ½.

Galvanising: Remove oil or soap film with neutral detergent or emulsion cleaner. Apply a coat of 719 Polyetch.

Aluminium: Remove oil, grease or soap film with neutral detergent or emulsion cleaner. Apply a coat of 719 Polyetch.

Existing Coatings: Epoxy or coal tar epoxy – abrasive sweep blast to roughen. Non-curing anticorrosive – high pressure water blast or abrasive sweep blast.

Application Instructions

Application

The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure, hose and tip size may be needed for proper spray characteristics.

Conventional Spray – Industrial equipment such as DeVilbiss MBC or JGA spray gun. Separate regulators for air and fluid pressure, mechanical pot agitator and moisture oil trap in the main air supply line are recommended.

Airless Spray – Standard equipment such as Graco, DeVilbiss, Nordson, Spee-Flo or others having 28:1 or higher pump ratio and fluid tip with a 0.019 to 0.023 inch (0.48 to 0.58 mm) orifice.

Brush – Natural bristle. Maintain a wet edge.

Roller – Industrial solvent-type. Level any air bubbles with a bristle brush.

Power Mixer – Jiffy Mixer powered by an air or explosion proof electric motor.

Application Procedure

Surface temperature must be at least 3 deg C above dew point to prevent condensation.

1. Flush all equipment with 475.
2. Stir to uniform consistency.
3. If thinning is necessary for workability, add up to 6% 475.
4. Apply a wet coat in even, parallel passes; overlap each pass 50 percent to avoid bare areas, pinholes or holidays. Excessive wet film thickness will cause sags and runs.

Apply 190 microns Wet Film Thickness to achieve 100 microns Dry Film Thickness.

5. Store unused materials in tightly closed containers.
6. Clean application equipment with 475.

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.

Health & Safety

Avoid breathing vapour. Use with adequate ventilation. High concentrations of vapour may cause headache or nausea, affect the nervous system and respiration. When catalysed this product contains isocyanates, which are harmful by inhalation. Refer to Code of Practice for the Safe Handling of Isocyanates 1989 (or updates) for details on handling isocyanate material.

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

Wear safety glasses/goggles, an air supplied respirator or hood and PVC or nitrile chemical handling gloves. Persons with a history of respiratory problems are advised not to use this product or any other two pack polyurethane.

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 (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.

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 professional use only. Not for residential use.

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.