

Architectural Coatings

Acri-Shield Exterior Acrylic Bonding Primer

GENERAL DESCRIPTION

Acri-Shield Exterior Acrylic Bonding Primer PP515 is a unique, exterior, oil modified, acrylic primer for bare wood and old, chalky paint surfaces. It is used for all types of new or previously painted commercial, institutional and residential exterior wood surfaces such as siding, trim, eaves, facias, shutters, fences, etc. It can be used over both latex and alkyd paints (it is ideal for bridging from old oil paint systems to acrylics), and can be used over tannin containing woods which will stain through other water based primers. Apply at temperatures 35°F to 100°F.

RECOMMENDED SUBSTRATES

Old, chalky painted surfaces
 Wood

TINTING AND BASE INFORMATION

PP515 White (Tintable)
 PP513XI XD Base*

*Must be tinted before use

Refer to the appropriate color formula book, automatic tinting equipment, and or computer color matching system for color formulas and tinting instructions.

PACKAGING

Quart (942 mL)
 1-Gallon (3.78 L)
 5-Gallon (18.9 L)

PRODUCT DATA

PRODUCT TYPE: Acrylic Latex
SHEEN: Flat
VOLUME SOLIDS*: 44% +/- 2%
WEIGHT SOLIDS*: 57% +/- 2%
WEIGHT/GALLON*: 10.9 lbs. (4.9 kg) +/- 0.2 lbs. (91 g)
VOC*: <120 g/L (1.0 lbs./gal.)

*Product data calculated on product PP515.

COVERAGE: Approximately 400 sq. ft. (37.2 sq. meters) per U.S. Gallon (3.78L) on smooth, nonporous surfaces.

Wet Film Thickness: 4.0 mils
 Wet Microns: 102
 Dry Film Thickness: 1.8 mils
 Dry Microns: 46

Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing. Some colors, drastic color changes, or porous substrates may require more than one coat to achieve a uniform finish.

DRYING TIME: Dry time @ 77°F (25°C); 50% relative humidity.
 To Touch: 30 minutes
 To Recoat: 1 hours
 To Full Cure: 30 days

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement. For example, product applied at 35°F (2°C) would require a minimum of 24 hours before recoat.

CLEANUP: Clean tools with warm, soapy water.

DISPOSAL: Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

FLASH POINT: Over 200°F (93°C)

FEATURES / BENEFITS

Features

Outstanding acrylic wood prime
 Adheres to chalky surfaces
 Fast drying
 Resists tannin bleed
 Easy soap & water clean-up

Benefits

Provides flexibility and breathability
 Prevents peeling
 Saves time with quick recoats
 Prevents staining
 No Solvent Disposal

Read Label and Safety Data Sheet Prior to Use. See other cautions on last page.

GENERAL SURFACE PREPARATION

Surface must be clean and dry. Remove dirt, mildew, grease and other surface contamination. Remove loose paint, excessive amounts of chalk, and efflorescence by wire brushing, scraping, sanding, and/or pressure washing. Repair all moisture problems. Blistering and peeling issues are commonly caused by moisture behind the paint film. Putty all nail holes, and caulk all cracks and open seams. Sand all rough, and patched surfaces. Sanding glossy or smooth surfaces is not required if the surface is properly and thoroughly cleaned.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

WOOD: Countersink all nails, putty flush with surface. Unpainted wood or wood in poor condition should be sanded smooth, wiped clean, then primed. Any knots or resinous areas must be primed before painting. Staining or tannin bleeding woods (like cedar or redwood) require two coats. The first coat must be completely dry before re-coating. For optimum tannin blocking performance, allow the first coat to dry a full 24 hours prior to the application of a second coat.

LIMITATIONS OF USE

FOR EXTERIOR USE ONLY. Apply when air and surface temperatures are 35°F (2°C) and surface temperature is at least 5°F (3°C) above the dew point. For optimum application properties, bring material to at least 50°F (10°C) prior to application. Air and surface temperature must remain above 35°F (2°C) for the next 24 hours. Avoid painting late in the day when dew and condensation are likely to form or if rain or snow is expected. Do not apply in direct sunlight. Not recommended for use on steps or floors. PROTECT FROM FREEZING.

While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior to painting and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae.

APPLICATION INFORMATION

Stir thoroughly before using and occasionally when in use. When using more than one can of the same color, intermix to ensure color uniformity. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available through our web site or by calling 1-800-441-9695.

Application Equipment: Apply with a high quality brush, roller, paint pad, or by spray equipment. Where necessary, apply a second coat and allow each coat to dry thoroughly before applying the next coat.

Airless Spray: Minimum pressure 2000 psi, tip 0.015" - 0.021". Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Brush: Polyester/Nylon Brush

Roller: 3/8" - 3/4" nap roller cover

Thinning: No thinning required.

Permissible temperatures during application:

Material:	35 to 90°F	2 to 32°C
Ambient:	35 to 100°F	2 to 38°C
Substrate:	35 to 100°F	2 to 38°C

PRECAUTIONS

WARNING! HARMFUL IF INHALED. HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Ingestion of products containing ethylene glycol may damage kidneys and liver and has been shown to cause birth defects in laboratory animals. Do not breathe vapor or mist. Do not swallow. Do not get on skin or clothing. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. DANGER - RAGS, STEEL WOOL OR WASTE SOAKED WITH ACRI-SHIELD ACRYLIC BONDING PRIMER MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information.** **FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. If on skin, rinse well with water. Wash with soap and water. Get medical attention if irritation develops. If inhaled, remove to fresh air. Call physician immediately. Keep out of the reach of children. For workplace use, an SDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

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