



ACRI-SHIELD® Acrylic Bonding Primer

515

ACRI-SHIELD Acrylic Bonding Primer No. 515 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 110°F.

USED FOR	FEATURES
<ul style="list-style-type: none"> Wood siding Wood trim, shutters Manufactured siding Fencing Old, chalky paint surfaces including painted metal Bridging from oil to acrylic paint systems 	<ul style="list-style-type: none"> Unique formulation Outstanding acrylic wood primer Adheres to chalky surfaces With fungicide-resists film attack by mildew Fast drying Resists tannin bleed Easy to apply, low odor Easy soap & water clean-up

RECOMMENDED SYSTEMS

ACRI-SHIELD Acrylic Bonding Primer No. 515 functions as a primer over bare wood, and oil and latex paint surfaces. **TYPICAL FINISHES OVER ACRI-SHIELD Acrylic Bonding Primer No. 515 are:**

	EGGSHELL / SATIN	SEMI-GLOSS	GLOSS
EXTERIOR FLAT Acrylic	519, 719, 929	739, 2809, 3729	619, 919, 6029, 909, 2909
Low Temperature Acrylic :	579	599	
Alkyd	(Not recommended)	533	2749, 4139
Epoxy	(Epoxies are not recommended as exterior finishes. Contact a Porter service center or the Porter Technical Services Department for appropriate solventborne epoxy/polyurethane systems when required.)		

LIMITATIONS

Overspreading product will reduce stain blocking ability. Two coats may be required on woods containing high levels of tannins. Avoid application in direct sunlight or when air or surface temperature is above 110°F (43°C). Do not apply when temperatures are below 35°F (2°C), or will fall below within 24 hours. Do not apply in late afternoon if condensation or fog is likely to occur, nor when rain is expected within 12 hours. Surface temperature must be at least 5°F above dew point. For optimum application properties, bring material to 65-85°F (18-29°C) temperature range prior to application. Use for service below 150°F. Do not use on floors or on deck walking surfaces. **Protect from freezing.**

TECHNICAL DATA

Data below is based on White base.

Product Type:	Acrylic
Bases/Colors:	515 White (tintable) 513 Extra Deep base
Sheen:	Flat
Percent Solids:	
Weight:	57 ± 2%
Volume:	43 ± 2%
PVC:	27 ± 2%
Weight/Gallon:	10.9 lb
Viscosity (Initial):	93 - 98 Krebs Units
Thinner:	
Brush/Roller:	If necessary, thin sparingly with clean water up to ½ pint per gallon.
Spray:	Thin with clean water up to ½ pint per gallon.
Clean-up:	Warm, soapy water.
Recommended Film Thickness:	
Wet:	3.5 mils
Dry:	1.5 mils
Spread Rate (Theoretical):	
Smooth Surfaces:	Up to 450 sq. ft./gal.
Rough Surfaces:	200-300 sq. ft./gal.
Dry time (70°F @ 50% R.H.):	
To Touch:	30 minutes
To Recoat:	1 hour
<i>(Expect longer dry times at lower temperatures and higher relative humidity.)</i>	
Flash Point:	>200°F (>93°C)
Flame Spread Rating:	Class A (0-25)
<i>(See Porter Technical Bulletin No. 9: Flame Spread Rating.)</i>	
Federal Specification Crossover:	TT-P-001984
<i>(See Porter Technical Bulletin No. 6: Federal Specification Performance Crossover.)</i>	

REGULATORY DATA

VOC based on white base. See label for other base.
VOC (theoretical):
As supplied (untinted): 0.92 lb/gal (110 g/l)

SURFACE PREPARATION

Paint only clean, dry (may be damp, but not dripping), deglossed and profiled surfaces. Remove dirt, oils, grease, wax, release agents, sanding dust, paint remover, etc. with PORTERPREP™ Heavy Duty Cleaner No. 571, Soilax and water, Porter Paint Thinner No. 5132 or other appropriate cleaners, or by vacuuming as necessary. Remove mildew by washing with a commercial mildew remover such as X-14 Mildew Remover or a mix of 1 part chlorine bleach to 3 parts clean water (rinse thoroughly after 15 minutes).

NEW WOOD: Repair construction defects and sand as necessary. Spot prime knots and sap streaks with STA-KIL™ Primer/Sealer No. 164 or shellac. Fill openings and nail holes with TOP GUN™ Siliconized Acrylic Caulk No. 1414, or other suitable sealant. (NOTE: Best performance is achieved by spot priming nail heads with an appropriate primer before applying filler.) When sealant or other filler is well set, usually 1-4 hours for TOP GUN, prime and paint.

REPAINT: Remove loose and failing paint by power washing, hand scraping or power tool cleaning and sand edges smooth when applicable. Fill holes and gouges in wood and other substrates with wood patch or filler, etc. as appropriate. Sand patched areas smooth as necessary before priming bare areas and patches.

INSTRUCTIONS FOR USE

Tinting: Tint with Porter DESIGN SPECTRUM® Colorants per label directions. Tint No. 515 White base with up to 12 ounces of colorant, and tint No. 513 XD base with up to 16 ounces of colorant. (NOTE: To approximate Porter DESIGN SPECTRUM light base colors, tint No. 515 with half the light base formula. For deep base colors, add formulas full strength to No. 515.)

Mixing: Stir or shake thoroughly before application.

Thinning: Thin sparingly with clean water as necessary for proper application. Do not exceed ½ pint per gallon.

Clean-up: Clean tools and spray equipment with warm, soapy water immediately after use.

Application:

Conditions:	Temperature Range:	35°F to 110°F (air, surface, paint) (Optimum paint temperature 65-85°F)
	Dew Point:	Surface temperature must be at least 5°F above the dew point.
	Relative Humidity:	Maximum 85%
Equipment:	Brushes:	Use nylon or polyester brushes.
	Rollers:	Use 3/8" to 3/4" synthetic roller covers.
	Airless Spray:	Minimum 28:1 Ratio Pump; .015"-.018" tip; 1800-2400 psi; 1/4" High Pressure material hose.
Directions:	New Work:	Apply one or two coats of ACRI-SHIELD Acrylic Bonding Primer No. 515 as required. Finish with one or more coats of the selected Porter finish.
	Repaint:	Spot prime bare areas with one or two coats of ACRI-SHIELD Acrylic Bonding Primer No. 515 as required, then apply one or more coats of the selected Porter finish.

PRECAUTIONS

Prior to using this product, the user is specifically directed to obtain and read the current Material Safety Data Sheet and Label for this product. If, after reading these documents, you do not understand them, do not use this product. KEEP OUT OF REACH OF CHILDREN.

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 6 Quarts per carton; 4 Gallons per carton; 5-Gallon Pail

Shipping Weights: 2.8 lb/qt (17.3 lb/carton); 10.9 lb/gal (44.6 lb/carton); 53.3 lb/5-gal



The technical data furnished is true and accurate to the best of our knowledge. However, no guarantee of accuracy is given or implied. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. Technical data are theoretical values and subject to change without prior notice.

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