

Pro-Seal US II-A™

Hydrocarbon and stain Resistant Film Sealer for Wood Surfaces



US II-A™ is a hydrocarbon resistant film sealer. This product is available in custom colors. This product is designed to protect the applied surface against inclement environment and weather conditions.

**Polycarbon/polycarbonate integrated technology.*

- May be applied over other coating systems
- Prevents moisture penetration
- Prevents freeze-thaw damage
- Designed to at least double the lifetime of most existing painted surfaces
- Enhances the appearance of wood surfaces, enhancing the grains in clear, while remaining ultra-clear invisible to deep gloss
- refracts infrared rays
- Penetrates up to 1/8" into the substrate
- Completely opaque to U.V. radiation in frequencies below 2,800 AU

Application Finishes: eggshell, satin gloss or deep gloss finished on wood surfaces.

Technical

Information	Value
Material	1 part
Mix time	N/A
Appearance	Liquid
Cure time to touch	1 hour
Full cure	96 hours
Second coat within	2 hours
Flammability	Non flammable
Coverage rate	350-900 ft ² /gallon
Weight per gallon	8.44 lbs
Packaging	1, 5 and 55 gallons

Chemical Resistance

Cured material	Rating
Aliphatic hydrocarbons	10
Aromatic hydrocarbons	10
Black & print	10
Water	10
Oil	10
Gasoline	10
Adhesion to substrate	10
Atmospheric contaminants	10
Slip & skid	10
Black tire mark	10

Key: 0 = complete failure; 10 = excellent

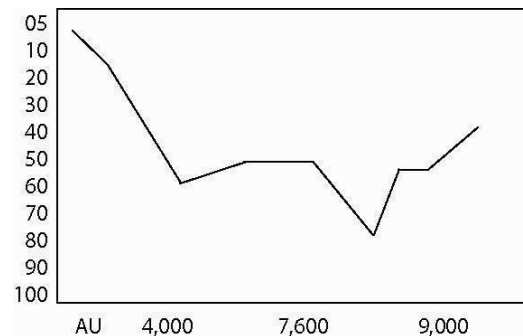
Application Instructions: Surface must be dry, clean and free of all loose particulate and bond-breaking matter. For specific application instructions or guide specifications, contact Pro-Seal's Technical Department at 800.349.7325 or information@prosealproducts.com

Technical Support: Contact our technical department at 800.349.7325, information@prosealproducts.com or visit our website www.prosealproducts.com for additional information

Cautions: Keep out of reach of children. May cause skin or eye irritation. This product may be harmful if swallowed. Do not induce vomiting. Use in well ventilated areas. Contact a physician immediately and always seek a physician's advice regarding first aid. Use only in commercial or industrial applications. Use only on intended surfaces. Contact manufacturer for specific application uses. See material safety data sheet for additional cautions.

Limited Warranty: We warrant our product to be free of defects in material and workmanship; and to be in accordance with our company quality control standards. All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee, or warranty of accuracy. Our products are sold on the condition that the user himself will evaluate them, as well as our recommendations, to determine their suitability for the user's own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations. Liability under any condition shall be limited to replacement of material only.

Percent of Transmission



ASTM D 869: Degree of setting a traffic pain: Dry to touch in less than 12 hours. Opaque to Ultra Violet at 2800 UA.

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Specifications

Test	Data	Value
ASTM D 4060-90 Taber abrasion resistance	500 gm head cs 17 wheel wt loss 1,000 cycles	36.6 mg
ASTM D 1499 & ASTM G 23	Weatherometer	Opaque at 2800 AU
ASTM C 309-91 ASTM C 156-91	Water retention by curing	<156 kg >55 kg
ASTM D 1005-84	Dry time rates: 15 minutes 1 hour 72 hours	.003 mil .003 mil 1.00 mil
ASTM D 523-89	Specular gloss 80°F-85°F	60
ASTM D 523-89	Ambering upon U.V. exposure	None
ASTM D 522-92	Flexibility: 1/4" mandrel and 1/8" mandrel	No cracking
Ford open cup	Cup # 4 viscosity @ 77°F	30-40 sec
ASTM D 2697-86	Non volatile matter content	39%
ASTM D 2369-90	V.O.C. content	None
FED STD Test 141 Method 0221	1/8" -1/4" depending on porosity of surface no cracking or breaking of film mandrill	Penetrability flexibility 3/8"
Wear to resistance to weighted traffic	Without cracking of chipping	500lbs/sq in.
FED STD test 141 method 4291	Flash point	150°F min
FED STD test 141 method 4282	Viscosity, #4 ford cup	10 second
FED STD TEST 141 method 6171	Moisture vapor transmission rate (dry-film ca, grams/sq meters/24 hrs)	1.0
FED STD test 141 method 6061	Weather resistance accelerated weathering closed arc	600 hrs min
FED STD test 141 method 6061	Salt spray resistance 5% solution	600 hrs min
ASTM D622-641	Elongation	125%
ASTM D5434 procedure 1	Corrosion resistance	10%
	Sulphuric acid slightly dull, no rusting	5%
	Sulfurous acid slightly dull, not rusting	5%
	Nitric acid slight dell, no rusting	5%
	Acetic acid slight dull, no rusting	5%
	Chromic acid slightly dull, no rusting	5%
	Calcium chloride slightly dull, no rusting	500 hrs 10%
	Hot water slight dull	180°F 72 hrs
ASTM D 2143	Sulfur content, ppm	50 max
	Hardness –sward (sward value 08.04 tabor)	2.5hrs: 11 5 hrs: 15 24 hrs: 22 168 hrs: 31
	Abrasion resistance tabor weight loss/ 500 cycles-grams	0.0515
	Cycles to break through	350
Gardner # 105 Scrub Machine FED STD Test 141	Water & alkali resistance	20,000
	Dielectric strength volts per mil	10,000
	Air dry @ .006 mils wet	30 minites
	Dry hard @ 1006 mils wet	72 hrs
	Color fastness	Does not yellow or discolor
	Stain resistance	Dry film does not stain when exposed to oil and grease

* Data based on laboratory tested materials