



Permalac Original (Satin or Matte)

Our best-selling, air-dry acrylic lacquer for interior and exterior use

Intended Use(s):

Permalac Original is the ultimate solution for protecting various surfaces. It can be directly applied to a wide range of surfaces without requiring a primer. Its advanced UV and corrosion inhibitors make it the go-to choice for even the harshest environments. Permalac offers exceptional resistance to environmental corrosives, making it ideal for both interior and exterior applications. It has excellent adhesion to various substrates, including metals, wood, and stone. Additionally, it provides full protection against mold and mildew. One gallon of Permalac covers approximately 400 square feet in a single coat.

Physical Properties

Color	Clear
Gloss at 20/60	35.878 (on steel)
Volume Solids	12.5%
Weight Solids	14%
Weight per Gallon	7.3 lbs
Coverage per Gallon	400 sq ft
VOC	718 g/l
Dry Film Thickness	0.3-0.5 mils

Physical Resistance (on steel)

Adhesion (ASTM 3359 & Crosshatch test)	5B
Pencil Hardness (ASTM 3363)	4B
Taber Abrasion Test	11.8 mg @ 300 cycles



Flexibility (ASTM D522)	Passed Mandrel Bending Test
Impact (ASTM D2794)	160/80
MEL Double Rubs (ASTM D4792)	10

Corrosion Resistance (ASTM B117, 5% NaCl spray)

10= no rust, 0= rusted

100 hrs	200 hrs	300 hrs
6	5	3

UV resistance (ASTM 155 Cycle 1 Testing, xenon arc)

After 1000 hrs, no visible degradation.

Application Characteristics

Mix Ratio	Full strength for brush, reduce 20% for spraying
Reducer	#281 (standard), #69 (hot weather), #700 (0 VOC thinner)
Cleaning Solvent	Lacquer thinner or acetone
Dry Time	0.25 hour to touch dry, 0.5-1 hour recoat
Cure Time	24 hours; allow 72 hours prior to handling or shipping

Application Equipment

HVLP spray gun, Cap tip 1.0, 15-20 PSI

Solvent-resistant brush

***Disclaimer:** All tests were done using Permalac Original Satin finish. It's expected that Permalac Original Matte finish will perform to the same specification.