



# PHYSICAL PERFORMANCE PROPERTIES

## AMES® VAPOR-BARRIER



Vapor-Barrier is a premium waterborne liquid rubber coating for waterproofing walls. It is for interior and exterior walls, both above and below grade and it stops leaks fast! It is heavy duty yet easily applied by brush, roller or sprayer, and it dries to form a waterproof seal to keep water and moisture out. Our subterranean application system will withstand up to 100 P.S.I. water pressure. This product is elastomeric sealant and block filler that expands and contracts 750 - 1200%. It is highly resistant to cracking and peeling, remains flexible at - 35°F and is mildew resistant. Vapor-Barrier is also very easy to clean up with water.

Appearance (cured).....	Rubberized Plastic Protective Membrane and coating.
Appearance (liquid).....	Thick, Creamy
Color.....	Colonial Blue
Mildew resistance.....	Excellent
Weight.....	Approx. 11 Pounds/gallons
Solvent.....	Water
Odor.....	Mild
Permeability.....	Less than one perm in one coat.
Elongation.....	up to 750%.
Strength.....	250+ psi when heavy duty Polyester Contouring Roof Fabric is used.
Viscosity.....	4050 cps spdl. # 7.100 rpm
PH as shipped.....	10.4 - 11
Specific Gravity.....	1.10
Bonding.....	Bonds to most surfaces including tar, metal and rolled roofing. Does not bond to wax base surfaces.
Humidity.....	Best applied at 50% humidity or below.
Freeze/Thaw Stability Test of dried material.....	At -35° F, Vapor-Barrier passes 180 degree bend test. Vapor-Barrier, if frozen while in liquid form, may be damaged or solidify. Protect from freezing.
Setting time.....	15 min. -1 hour at 40° - 100° F. at less than 50% humidity.
Cure time.....	At 40° - 80° F. 2 to 8 hours. When roofing fabric is embedded allow 24 hours total curing. Apply when the sun is in the sky, the streets are dry and there is no inclement weather. For best adhesion allow product to cure for up to one week.
Material composition.....	A sophisticated copolymer/polymer based on rubber chemistry.
Toxicity.....	Non-toxic after curing.
Flash point.....	1500° F. (estimated)
Fire rating.....	ASTM E-108 Class "A" over AC. ASTM E-84 zero smoke.
Tukon Hardness (KHN).....	Less than one.
Coverage rate.....	Approx. 100 square feet per gallon.
Voc Content.....	Less than 1 gram per liter.

Formulas have been tested in accordance with ASTM E 108 E-108 Class "A" over AC. ASTM E-84 zero smoke, zero ignition.

**Special Comments:** Do not thin with water more than 2%. Excessive thinning will solidify product.

**Applications:** Tar and metal roofs, basements walls, below and above grade water protection over plywood and concrete.

**Important:** Apply a small amount to ensure the product performs satisfactorily.

Ames Research Laboratories, Inc., PO Box 1350 Jefferson, OR USA 97352

Toll-Free: 1-888-345-0809 • Phone: 503-588-3330 • Fax: 503-364-2380 • www.amesresearch.com • amesstaff@amesresearch.com