



A United Asphalt Company Brand

AP-5100 MOISTURE CURE POLYURETHANE COATING



PRODUCT DESCRIPTION

AP-5100 Moisture Cure Polyurethane is a single component, moisture cure polyurethane roof coating to protect EPDM single-ply membrane, sprayed-in-place polyurethane foam, insulation, wood, metal and BUR substrates. **AP-5100** provides a durable, seamless, flexible, waterproof membrane, resisting lateral movement, shear, and will allow for normal expansion and contraction. **AP-5100** offers increased moisture protection through its lower moisture vapor permeability values.

TECHNICAL DATA

CLEAN UP:	Xylene
SHELF LIFE:	6–9 months @ 40–90° F
VISCOSITY:	3000 ± 1,000 cps
ELONGATION:	350% ± 50%
HARDNESS:	65 Shore A
TENSILE STRENGTH:	1,000 psi ± 50
PERMEABILITY:	.02 perm inch
SERVICE TEMPERATURE:	-50° to 200° F
WATER ABSORPTION:	2.4%
ADHESION:	Exceeds Tensile
COLOR:	Aluminum
PACKAGING:	5-Gallon Pail

APPLICATION

Apply by brush, medium nap roller or airless sprayer.

Airless spray: Minimum pump pressure 2500–3000 psi

Tip Size: .035"

COVERAGE AND DRYING TIME

Apply **AP-5100** at a rate of 1.25 gallons per 100 square feet, according to the substrate and condition.

Minimum dry mil thickness shall be 25 mils. Normal drying time is 6 hours to touch, tack free in 8–12 hours.

Successive coats must be applied within 48 hours to insure proper adhesion.

PREPARATION OF SUBSTRATE

Surface must be pressure washed clean, free of all loose particles, dirt debris and other contaminants that could inhibit adhesion. Refer to the Armour Proof Coatings Specification for detailed instructions on how to prepare the specific substrate.

LIMITATIONS AND PRECAUTIONS

Avoid moisture contamination in sealed containers. Apply only if ambient temperature remains above 50° F. Store in a dry environment at temperatures between 40–100° F. KEEP AWAY FROM HEAT, OPEN FLAME OR SPARKS. USE ONLY IN WELL VENTILATED AREAS WITH PROPER PROTECTIVE EQUIPMENT. Avoid breathing vapor or mist.

WARRANTY

This product will perform as claimed if directions are followed. Armour Proof Coatings cannot control conditions of application and substrate, or methods used. This warranty is limited to replacement of the defective material used, and does not include labor or labor costs.



TOOLS NEEDED



PACKAGING SIZES

