



AP-3100 Acrylic Base Coat

Product Description

ARMOUR PROOF AP-3100 is a 100% acrylic elastomeric base coat designed for protecting a wide variety of substrates, including metal, asphalt, primed wood, concrete, BUR, most single ply membranes and spray polyurethane foam. Once cured, AP-3100 provides a waterproof, durable, seamless, flexible weather resistant layer of protection. AP-3100 must be covered with an Armour Proof, protective finish coat.

Application

Apply by brush, medium nap roller or airless sprayer.
Airless spray: Minimum pump pressure 3000 psi
Tip Size: .027"-.039" (.031" recommended)
Hose: Use 3/8" up to 100', from 100' to 200' use 1/2" or larger

Coverage and Dry Time

Apply AP-3100 at a minimum rate of 1 to 1.25 gallons per 100 square feet per coat, according to the substrate and condition. Two coats are recommended. Prepare all seams, penetrations and other flashing details with AP-3100 and AP-8100 Series Polyester reinforcement. A minimum of 16 mils DFT is recommended to achieve optimal performance of the coating. Normal drying time is 2-4 hours. ARMOUR PROOF COATINGS recommends applying AP-3100 by airless spray in multiple coats in a crosshatch pattern. This will avoid pinholes and insure a uniform film build. Backrolling may be necessary. Refer to the Armour Proof Coatings Specification for detailed instructions.

Preparation of Substrate

Surface must be pressure washed clean, free of all loose particles, dirt debris and other contaminants that could inhibit adhesion. An ARMOUR PROOF primer may be required for the particular substrate.

Refer to the Armour Proof Coatings Specification for detailed instructions on how to prepare the specific substrate.

Limitations and Precautions

ARMOUR PROOF AP-3100 is a water-based elastomeric acrylic coating and is not freeze-thaw stable. Do not apply AP-3100 when ambient air and substrate temperatures fall below 50° F, or if inclement weather is forecasted. Do not apply over wet substrates or in inclement weather. Do not apply if ambient temperature will drop below 32° F in a 24-hour period or dew will settle before coating is allowed to dry. Do not store sealed containers in prolonged sunlight. PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 45° F. It will freeze and may become unusable at temperatures below 32° F.

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.

Available in the following sizes:



Tools needed:



Technical Data

Total Solids by Weight
74% ± 2

Total Solids by Volume
59% ± 2

Weight per Gallon
11.9 ± .2 lbs. per gallon

Viscosity
125 ± 5 KU

Tensile Strength
270.9 psi

Elongation
333%

Permeability
8.9 perms

Water Swelling
15.08%

Tear Resistance
104.3 in/lb

Low Temperature Flexibility
Passes

Service Temperature
-40° to 200° F

Clean Up
Soap and Water

Shelf Life
12 months @ 40° - 90° F

Color
Gray