

TYPICAL APPLICATION



Armour AD Pro TECHNICAL DATA

Armour AD Pro Specifications

Width per roll:	3ft/0.91m
Length per roll:	67ft/20.42m
Roll size:	201ft ² /18.67m ²

Armour AD Pro Technical Data

Nominal Thickness, mils	44
Moisture Vapor Permeance, perms	0.01
Water Tightness (2000mm, 2h)	Pass
Maximum Load, lbf/in (MD)	112
Maximum Load, lbf/in (CD)	67
Tear Resistance, lbf (MD)	139
Tear Resistance, lbf (CD)	136
Elongation at Break, % (MD)	57
Elongation at Break, % (CD)	52
Adhesion to Plywood, lbf/ft width (39.2 °F / 4°C)	117.1
Adhesion to Plywood, lbf/ft width (73.4°F / 23°C)	32.4
Thermal Stability, in (158°F / 70°C)	0.0
Flexibility at -20°F (-29°C)	Pass
Sealability Around Nail	Pass
Waterproof Integrity of Lap Seam	Pass

* The Data shown above is based on the test averages and independent test reports. There can be a +/-10% variation in the individual test results. This report should not be considered as a warranty for the manufacturer. The manufacturer is not responsible for the misrepresentation or misinterpretation of the data by the reader.

Armour AD Pro Meets or exceeds the following code standards:
ASTM D1970, ASTM E96, ASTM D5147, ASTM D903, ASTM D1204, ASTM D4073, ASTM D7349.

Install right from the start with
Arkint® Armour AD Pro
SYNTHETIC UNDERLAYMENT
LOGO PRINTING AVAILABLE



Installation Instructions:

USE: Armour AD Pro is a high temperature, self adhered waterproofing membrane made with an advanced black butyl rubber adhesive formulation and designed for use in steep slope roofing. It offers premium protection against water infiltration from snow, ice dams, and wind driven rain. Armour AD Pro is designed for use under most primary roofing materials such as residential or commercial metal, mechanically attached concrete or clay tiles, primed cedar shakes, and asphalt or composite shingles.

STORAGE:

For best results store Armour AD Pro upright in its original packaging in a well-ventilated area at room temperature between 40°F (4.4°C) and 90°F (32°C).

DECK PREPARATION:

Armour AD Pro should be installed over a clean, smooth, and dry deck. The deck should also not have any voids, protrusions, damaged or unsupported areas. For re-roofing projects, replace any water damaged sheathing and sweep roof deck thoroughly removing dust, dirt and loose nails. Do not install over old roof covering.

STANDARD APPLICATION INSTRUCTIONS:

For best results Armour AD Pro should be installed when the air, membrane, and substrate temperature is over 40°F (4.4°C). However, Armour AD Pro can be installed in temperatures as low as 32°F (0°C) and rising. Priming is not required when attaching to wood or OSB decks. Concrete or masonry decks should be primed with a solvent or water based primer that meets ASTM D41 for self adhesive membranes. Membrane to be applied in shingle lap fashion working from the low point to the high point of the roof. For easier installation, it is recommended to cut the membrane into manageable lengths. Then peel back one side of the split release liner and apply in position on the roof deck and then press in place by hand or with a weighted roller to increase adhesion to the deck. Once one side has been pressed to the deck peel back the remaining half of the release liner and press down to adhere to the roof deck again using a weighted roller to increase adhesion. For improved adhesion hand rolling over the selvage edge and directly above the selvage edge using a weighted roller is recommended. If a roller is not available or not considered safe, walk on all laps, and as much of the field area as possible.

For Cold Weather Applications : 32°F (0°C) or below, a primer should be used and the upper most selvage edge blind nailed using 3/8" head roofing nails 1" or longer. Space nails along edge at 12" intervals using the marked locations. For best results, allow Armour AD Pro to ambiently warm to room temperature prior to application.

For Steep Slope Applications : (5:12 or greater), high wind areas, or when installing at temperatures greater than 100°F (38°C), it is recommended to blind nail the selvage edge area as per above under cold weather application. For valley applications, peel the release liner; center the sheet over the valley and hand press in place from the center of the valley outward. Note: It is very important Armour AD Pro stay in contact with the roof deck into and out of the valley area. Armour AD Pro should never be suspended or bridge a valley.

It is recommended to follow up with a weighted roller or by walking on the surface. Give special attention to ALL perimeter edge areas and overlaps. Repair holes, fish mouths, tears, and any other penetration damage to the membrane with a round patch of membrane extending passed the damaged area by 6 inches in all directions. Do not install fasteners through membrane over any unsupported areas of the structural deck, such as over joints between adjacent structural panels.

PRECAUTIONS:

Armour AD Pro is a moisture and vapor barrier and therefore must be installed above a properly ventilated space(s). Follow ALL building codes applicable to your geographical region and structure type. Armour AD Pro is not designed for indefinite outdoor exposure. Final roofing should be installed within 180 days of underlayment installation. These provided Installation instructions are designed to offer recommendations to achieve best performance from our products. However, it is imperative that you follow all building codes or architectural specifications applicable to your geographical region and structure type.

Technical Support:

For Technician Support, Please email: info@arksynthetics.com