



Installation Guide

Armour

High-Performance Anti-Slip Roof Underlayment

For Asphalt Shingles • Metal Roofing • Tiles • Synthetic Shingles • Steep-Slope Systems

Product Overview

Armour is engineered for demanding roofs, offering superior tear resistance, dimensional stability, and a slip-resistant surface for safe footing on steep, wet, or dusty slopes.

Mechanically fastened, it provides a reliable secondary barrier against moisture intrusion and performs in extreme temperatures.

Storage

Rolls of Armour should be stored on a flat, clean surface, either upright or lying down, and kept under cover to protect from direct sunlight and moisture. Avoid placing heavy objects on top to prevent damage or deformation. Ensure the storage area is dry and well-ventilated to maintain product integrity.

Deck Prep

Armour is an air, water and vapor barrier and therefore should be installed above a properly ventilated space(s). It is recommended to follow all building codes applicable to your geographical region and structure type.

All protrusions from the deck area must be removed and ensure the deck has no voids, damaged or unsupported areas. Deck surface should be free of debris, dry and moisture free.

Use

Armour must be covered by primary roofing within 180 days of application. Armour is designed for use under all primary roofing types including; Metal, Shake and Shingle roofing.

Application

For slopes 4:12 and higher Armour is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4" and vertical laps should be 6" and anchored approximately 1" in from the edge. For low slope applications (less than 4:12) it is recommended to overlap 50% plus 1", for complete definition of low slope and guidelines consult authorities having jurisdiction. Armour product is not recommended for

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slopes less than 2:12. The use of a roofing hammer, hatchet hammer, pneumatic air or gas driven fastener tools is acceptable. The use of a straight edge cutting knife is recommended.

Fasteners

For same day coverage with primary roofing Armour can be anchored with corrosive resistant 3/8" head x 1" leg roofing nails (ring shank preferred, smooth leg acceptable). The use of every other anchoring location printed on the product is also acceptable. **DO NOT USE STAPLES:** The use of staples to penetrate Armour A30 will void warranty.

Anchoring

All anchoring nails must be flush, 90 degrees to the roof deck, and tight with the underlayment surface and the structural roof deck. Where seams and joints require sealant or adhesive use a low solvent plastic roofing cement meeting ASTM D-4586 Type 1, or Federal Spec SS-153 Type 1 such as Karnak, Henry, DAP, MB, Geocel or equivalent. Acceptable alternatives are butyl rubber, urethane, and EDPM based caulk or tape sealant.

Extended Exposure

If Armour product will be exposed longer than 1 day but less than 5 days then it is recommended to anchor using corrosive resistant 3/8" head x 1" leg roofing nails (Ring shank preferred). Use of every other anchoring point in the field is acceptable. For exposure more than 5 days and up to 180 days Armour 30 product must be anchored with 1" plastic or metal cap smooth or ring shank roofing nails. Miami-Dade approved tin tags and nails or metal caps are also acceptable, and it is recommended for best performance to use with the rough edge facing up. For extended exposure it is always recommended to anchor on every printed position on the facer. Note: Armour is not designed for indefinite outdoor exposure. For extended exposure conditions where driving rain or strong winds are expected it is recommended to take additional precautions such as doubling the lap widths. Alternately or in addition to a compatible sealant could be used between the laps or a peel and stick tape could be applied to the overlaps.

Precautions

Personal Protection: When working on roofs, always wear appropriate personal protective equipment (PPE), including non-slip footwear, safety harness, gloves, and safety glasses to prevent falls from height or cuts from membrane materials and tools.

Environmental Conditions: Avoid installation in high winds, rain, snow, ice, or extreme



temperatures (too hot or too cold), as these conditions can affect membrane performance and compromise safety.

Handling Penetrations: Properly prepare and seal roof penetrations (such as chimneys, vents, skylights, etc.) using roof-specific waterproof sealants or self-adhesive membrane patches to maintain continuous waterproofing and airtightness.

Maintenance & Warranty

Armour do not need special maintenance after installed; Lifetime warranty from the day of installation if it is quality defects.

Remark:

Recommendations on methods, materials, and construction details are provided by Ark Synthetics based on current knowledge and experience. They serve as a general guide for designers, contractors, and manufacturers. Installation should also consider local conditions, project-specific requirements, and guidance from designers or other qualified professionals. For project assistance, contact: info@arksynthetics.com

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