

TYPICAL APPLICATION



Armour TECHNICAL DATA

Armour Specifications

Width per roll:	48"/1.22m	59"/1.5m
Length per roll:	250'/76.2m	328'/100m
Weight per roll:	40lbs/18.2kg	64.8lbs/29.4kg
Roll size:	1000ft ² /93m ²	1615ft ² /150m ²

Armour Technical Data

Nominal Thickness	27mils
Water Vapour Transmission (g/m ² , 24h, ≤)	3.67
Water Tightness (2000mm, 2h)	Pass
Maximum Tensile Force (MD)(lbs, ≥)	112
Maximum Tensile Force (XD) (lbs, ≥)	99
Resistance to Tearing MD (Nail Shank, lbs)	31
Resistance to Tearing XD (Nail Shank, lbs)	29
Tensile Strength after Ageing (MD)(%, ≥)	80
Tensile Strength after Ageing (XD) (%, ≥)	80
Resistance to Water Penetration after Ageing(%, ≥)	80
UV Resistance (Days)	180
Temperature Range	-40°F to 240°F

* 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 Meets or exceeds the following code standards: ASTM D226 Types I & II and D4869 Types I & II, ASTM D8257, Class A Fire - ASTM E108/UL790



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



Installation Instructions:

USE: Armour is an air, water and vapor barrier (.06 perms) 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.

DECK PREP: 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 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 Titanium 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.

Maintenance & Warranty:

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

Technical Support:

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