

TYPICAL APPLICATION



Arcno TECHNICAL DATA

Arcno Specifications

Width per roll:	4ft/1.22m	4.9ft/1.5m
Length per roll:	250ft/76.2m	328ft/100m
Roll size:	1000ft²/93m²	1615ft²/150m²

Arcno Technical Data

Water Vapour Transmission (perms)	0.03
Linear Dimensional Change, (-2.5% to 1%)	-1.7%
Tensile Strength MD (lbf/in)	68
Tensile Strength CD (lbf/in)	65
Tearing Strength MD (lbf)	17
Tearing Strength CD (lbf)	18
Fastener Pull-Through Resistance, lbf	38
Hydrostatic Resistance	Pass
Fire Test	Class A
Liquid Water Transmission	Pass
Hydrostatic Resistance	Pass
Thermal Cycling	Pass
Laboratory Accelerated Weathering	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.

Arcno meets or exceeds the following code standards: ASTM D8257, ASTM E108, ASTM D4869, ASTM E96, ASTM D1204, ASTM D5035, ASTM D4533, ASTM D228, ASTM D4798.

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



Installation Instructions:

Arcno is a water 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 as it is considered a vapor barrier.

Always follow safe roofing practices. Always wear and use fall protection devices when working on roofs. Use caution when walking or standing on Arcno underlayment in wet or dusty conditions that may reduce traction. Failure to use proper safety equipment and footwear can result in serious injury.

DECK PREP: Arcno should be applied to a properly prepared dry deck that is smooth, clean and free from any depressions, projections, or protruding nails. Acceptable roof deck materials are minimum 3/8 inch plywood, minimum 7/16 inch OSB, or minimum 6 inch roof deck boards. Roof decks should be structurally sound and meet or exceed minimum requirements of the roof deck manufacturer and local building codes.

USE: Arcno must be covered by primary roofing within 180 days of application and is designed for use under asphalt or synthetic shingles, metal in residential applications, and cedar shakes that have been primed.

APPLICATION: Slopes from 4:12 and higher: Arcno is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4 inches and vertical laps should be 6 inches and anchored approximately 1 inch in from the edge. End laps in a succeeding course should be located at least 6 feet from laps in the preceding course.

Slopes 2:12 to less than 4:12: Cover the deck with two layers of Arcno. Begin by fastening a 22 inch wide strip of Arcno along the eaves with the minimal fasteners need to hold the course in place. Place a full-width sheet over the 22 inch course and overlap each successive course by 50 % plus 1 inch. Additional fasteners may be required in high. wind regions per local building codes.

Vertical lap requirements are the same as 4:12 and higher slopes. Slopes less than 2:12: Arcno is not recommended for use.

FASTENERS: Provided there is no rain or high winds, Arcno can be anchored with staples, cap staples or corrosive resistant 3/8 inch head X 1 inch leg roofing nails (ring, shank preferred, smooth leg acceptable), when covered with primary roofing on the same day.

If Arcno will not be covered on the same day and up to 180 days, then product must be attached to the roof deck using a minimum 1 inch diameter plastic or metal cap roof nail (ring shank preferred, smooth leg acceptable). Miami-Dade approved tin tags/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 required that Arcno be anchored in all locations printed on the facer. Consult local building codes for fastener type and spacing requirements. 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. Alternatively 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.

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 Type1, 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.

Maintenance & Warranty:

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

Technical Support: info@arksynthetics.com