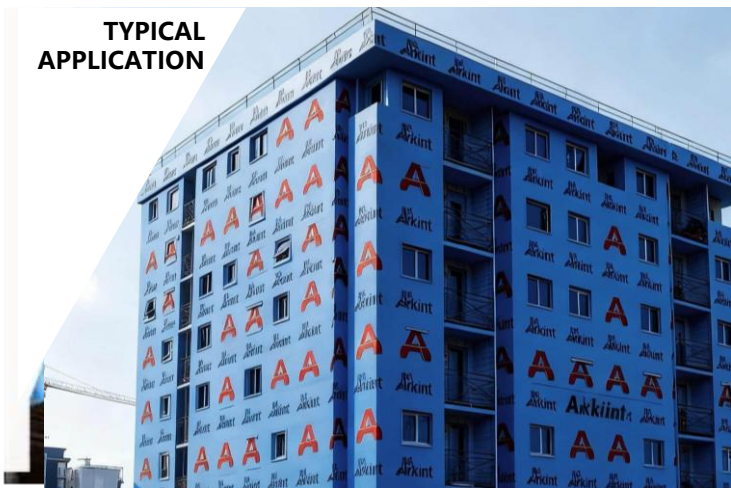


TYPICAL APPLICATION



Breasmart AD TECHNICAL DATA

Breasmart AD Specifications

Width per roll:	3.12ft/0.95m
Length per roll:	100ft/30m
Roll size:	312ft ² /29m ²

Breasmart AD Technical Data

Nominal Thickness	29.9 mils
Water Vapour Transmission (g/m ² ,24h,≥)	300
Water Tightness (2000mm, 2h)	Pass
Maximum Tensile Force (MD)(N/50mm, ≥)	260
Maximum Tensile Force (CD) (N/50mm, ≥)	140
Resistance to Tearing MD (Nail Shank)	120
Resistance to Tearing CD (Nail Shank)	125
Tensile Strength after Ageing (MD)(%,≥)	80
Tensile Strength after Ageing (CD) (%,≥)	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.

Breasmart AD Meets or exceeds the following code standards: ASTM D882, ASTM E96, ASTM D882, ASTM D5034, ASTM D779, ASTM E2556.

Install right from the start with
Arkint® BreaSmart AD
 BREATHABLE MEMBRANE
 LOGO PRINTING AVAILABLE



Installation Instructions:

Storage: For best results, store Arkint® BreaSmart AD upright in its original packaging in a well-ventilated area at room temperature between 40°F (4.4°C) and 120°F (49°C).

Precautions:

Arkint® BreaSmart AD functions as a vapor-permeable water-resistive barrier and air barrier material. Follow all applicable building codes for your geographical region and structure type.

Best practice is to store rolled materials at or above 50°F (10°C) prior to cold weather installation.

Arkint® BreaSmart AD is not intended for indefinite outdoor exposure and should be covered with wall cladding as soon as possible after installation, and no later than 180 days after installation.

The layout of Arkint® BreaSmart AD should be planned in advance to minimize waste and ensure that all penetrations are properly detailed for watertightness and air tightness.

Substrate Preparation:

Arkint® BreaSmart AD can be applied over multiple substrates, including but not limited to:

- OSB
- Plywood
- Rigid vinyl
- Anodized aluminum

Requirements:

The substrate must be dry, free of dust, debris, voids, protrusions, and damaged or unsupported areas.

Priming is not required.

For substrate or adhesion questions, contact Ark Synthetics: +1 778-325-1557 or info@arksynthetics.com.

Wall Penetrations:

Penetrations must be detailed to ensure watertight and airtight conditions.

Windows, doors, and other penetrations should be installed in proper sequence to maintain a water-shedding condition.

Fastener:

The contractor is responsible for proper installation of fasteners and associated components interfacing with Arkint® BreaSmart AD.

Fasteners and components must create a continuous compression seal around penetration points to maintain barrier continuity.

Any fastener or component that cannot create a proper seal must be supplemented with sealant to fully encapsulate the penetration.

General Application:

Plan the layout of Arkint® BreaSmart AD in advance to minimize waste and ensure all penetrations are properly detailed.

Use a two-handed roller to ensure proper adhesion.

Protect the leading edge during installation to prevent water from getting behind the membrane.

Arkint® BreaSmart AD can be repositioned for up to 30 minutes after application. Full adhesion depends on job site conditions.

Limit coverage to a single floor; do not span floor lines. Apply subsequent courses in a water-shedding manner.

Do not stretch the material.

Laps/Seams

Arkint® BreaSmart AD can be applied horizontally or vertically.

All overlaps must create a water-shedding condition, with lower courses installed first and lapped under upper courses.

Overlaps must not allow water to collect.

Side and end laps in the field of the wall must be a minimum of 3 inches.

Vertical laps within 24 inches of an interior or exterior corner must be a minimum of 6 inches.

Inside and outside corner overlaps must be at least 12 inches, with the membrane first applied to the corner substrate, then overlapping onto the adjacent wall plane.

Vertical laps from floor to floor should be staggered or separated by a horizontal strip of Arkint® BreaSmart AD to maintain continuity and water-shedding performance.

Technical Support: info@arksynthetics.com