

## TYPICAL APPLICATION



## Breasa 017 TECHNICAL DATA

### Breasa 017 Specifications

Width per roll:	48"/1.22m	59"/1.5m
Length per roll:	250'/76.2m	328'/100m
Weight per roll:	24lbs/10.8kg	38lbs/17.5kg
Roll size:	1000ft <sup>2</sup> /93m <sup>2</sup>	1615ft <sup>2</sup> /150m <sup>2</sup>

### Breasa 017 Technical Data

Nominal Thickness	6.69 mils
Water Vapour Transmission (g/m <sup>2</sup> , 24h, ≥)	1000
Water Tightness (2000mm, 2h)	Pass
Maximum Tensile Force (MD)(N/50mm, ≥)	495
Maximum Tensile Force (XD) (N/50mm, ≥)	202
Resistance to Tearing MD (Nail Shank)	40
Resistance to Tearing XD (Nail Shank)	40
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.

Breasa 017 Meets or exceeds the following code standards: ASTM D226 Types I & II and D4869 Types I & II, ASTM D8257, Class A Fire - ASTM E84/UL723

Install right from the start with  
**Arkont® Breasa 017**  
 BREATHABLE MEMBRANE  
 LOGO PRINTING AVAILABLE



## Installation Instructions:

**Storage:** Rolls of Arkont® Breasa 017 should be stored palletised or on their sides on a smooth clean surface, under cover and protected from direct sunlight **General:** Care should be taken when handling the membrane in order to prevent tears and punctures occurring. Any that do occur should be repaired with Acrylic Tape.

**Application:** Unroll Arkont® Breasa 017 horizontally over the face of the construction. Ensure maximum coverage of membrane by extending 100mm min below the lowest structural timber/steel member.

**Initial fixing:** Double sided (acrylic) Tape (50mm) may be used to provide an initial fix for Arkont® Breasa 017, but mechanical fixings (see below) must be made almost immediately after. Permanent security of the membrane may also be made with external insulation, battens or cladding brackets. Extra care should be taken where the membrane is exposed to high wind conditions.

**Fixing - to timber studs/sheathing:** Fix Arkont® Breasa 017 with stainless steel staples or corrosion resistant nails. Fix membrane at 600mm centres horizontally, 300mm centres vertically and at 150mm centres at joints and openings.

**Fixing - to masonry:** Arkont® Breasa 017 may be fixed to masonry with a suitable anchor fixing system or a masonry nail/screw and EPDM rubber washer. Fixings should be at maximum 500mm centres. Butyl Tape (double sided) may be used to fix the membrane in addition to the mechanical methods suggested above. A Primer can be applied to chalky or porous masonry to seal the surface and improve adhesion before applying adhesive tape.

**Fixing - to steelwork (SFS):** Initial (temporary) fixing of Arkont® Breasa 017 may be made with continuous strips of Double Sided (acrylic) Tape. These should be supplemented with mechanical fixings through to the steel structure, where suitable drill-tip or self tapping screws may be used. The screws must sit flush (not countersunk) and a rubber or EPDM washer should sit between the screw heads and the membrane to avoid water ingress. Screw fixings should be spaced vertically at 500mm centres on every stud (typically spaced at 600mm horizontal centres).

**Fixing - Rainscreen Cladding Applications:** Arkont® Breasa 017 may be fixed to the external face of a cement bonded particle board, OSB or ply sheathing, using a combination of Double sided (acrylic) Tape and stainless-steel staples. Arkont® Breasa 017 may also be secured by fixing through the sheathing to the underlying structure using suitable drill-tip or self-tapping screws. See Fixing - to steelwork (SFS) above. In many cases, the retrospective fixing of timber battens or metal brackets (& insulation) will provide the principle security for the membrane. Care should be taken to ensure these components are fixed tightly over the membrane to avoid water ingress. If in doubt Butyl Tape may be used between the component and the membrane.

**Fixing to insulation:** Fix Arkont® Breasa 017 to rigid/semi-rigid insulation with a proprietary expanding insulation fixing anchor at maximum 500mm centres. Penetrations made by wall ties or cladding brackets must be made good with either Acrylic Tape.

**Laps:** All horizontal laps should be 100mm min. Vertical laps should be 150mm min.

**External corners Dress** Arkont® Breasa 017 around external corners ensuring a return of 300mm min.

**Window openings:** Wrap Arkont® Breasa 017 into window/door openings and seal to frame with Acrylic Tape or Plastering Tape if render is later to be applied. Make good to corners using Tape. Cavity barriers/trays/flashings Dress Arkont® Breasa 017 over cavity barrier/tray/flashings ensuring a minimum lap of 100mm.

**Floor junctions:** Dress Arkont® Breasa 017 over intermediate floor zone ensuring a minimum lap of 100mm between sheets. Airtightness - sealing (optional). With all laps and penetrations sealed, Arkont® Breasa 017 will contribute to the overall airtightness of the building. Seal the laps in Arkont® Breasa 017 with Double Sided (acrylic) Tape. Fixing penetrations can be sealed by applying Butyl Tape to the substrate before the membrane is installed. Complicated penetrations may be sealed using FlexWrap.

**Compatibility:** Where timber treatments are used care should be taken to ensure they are touch-dry before the installation of the Arkont® Breasa 017 membrane. Retrospective spray applied micro emulsions can also pose significant risk to polymer-based materials such as Arkont® Breasa 017. Masking the membrane against preservative treatments should be considered.

**Temporary exposure period:** Arkont® Breasa 017 may be left exposed for a period not exceeding 6 months, provided that the membrane is adequately secured in accordance with our recommendations. Site conditions and exposure to wind should be assessed to determine whether extra security measures for the membrane are required.

**Technical Support:** Please email to: [info@arksynthetics.com](mailto:info@arksynthetics.com)

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