

TYPICAL APPLICATION



SilverProtector TECHNICAL DATA

SilverProtector Specifications

Width per roll:	1.35m
Length per roll:	100m
Weight per roll:	11.7kg
Roll size:	135m ²

SilverProtector Technical Data

Nominal Thickness	4.2mils
Water Vapour Transmission (g/m ² , 24h, ≤)	5.28
Water Tightness (2000mm, 2h)	Pass
Maximum Tensile Force (MD)(N/50mm, ≥)	520
Maximum Tensile Force (CD) (N/50mm, ≥)	457
Resistance to Tearing MD (Nail Shank)	416
Resistance to Tearing XD (Nail Shank)	371
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.

SilverProtector 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® SilverProtector
SYNTHETIC UNDERLAYMENT
LOGO PRINTING AVAILABLE



Installation Instructions:

Storage: Rolls of SilverProtector should be stored palletised or on their sides on a smooth clean surface, under cover and protected from direct sunlight.

Damage: Care should be taken when handling the membrane to prevent tears and punctures occurring. Small punctures can be repaired with Large areas should be replaced with new material.

Orientation: SilverProtector is installed onto the internal side of the building envelope with the smooth blue side and logo facing into the building interior. The membrane may be laid either horizontally or vertically to suit the substrate.

Fixing - to timber: Initial fixing of SilverProtector should be made by using a combination of (acrylic) Tape and stainless-steel staples. The membrane should be permanently fixed with a timber batten, which will also seal the staple penetrations. Where battens over the membrane are not being used Butyl Tape (double sided) should be applied to the stud/noggin beforehand and the staple fixed through. Subsequent fixings for the internal lining should also be made through the Butyl Tape.

Fixing - to masonry: SilverProtector 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. Double Sided (acrylic) Tape may be used to fix the membrane in addition to the mechanical method. For airtightness, Butyl Tape (double sided) should be used at fixing points where a compressible washer (eg. EPDM) is not employed. 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 SilverProtector 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. A rubber or EPDM washer should sit between the screw head and the membrane for air sealing purposes and screw fixings should be spaced vertically at 500mm centres on every stud (typical 600mm centres). Security of the AVCL can also be made by the retrospective installation of battens or lining brackets/channels.

Rainscreen Cladding Applications: SilverProtector 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. SilverProtector 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.

Note: The insulation, brackets/battens and external protection layers should be applied as soon as possible to avoid damage to the membrane.

Fixing to insulation: Fix SilverProtector to 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 Tape

Laps: Maintain 100mm laps between each sheet and seal with Double Sided (acrylic) Tape.

Detailing: Cover entirely the inside face of the roof or wall, ensuring maximum coverage. Maintain continuity at all adjacent walls, floors and roof junctions and seal with Double Sided (acrylic) Tape.

Windows/doors/loft hatches: SilverProtector should be sealed tight against the frame with Double Sided (acrylic) Tape. Internal corners should be made good with Tape. Plastering Tape may be used for all the window sealing work, if plaster or render is later to be applied.

Penetrations: All penetrations through SilverProtector (lighting, pipework, wiring, etc.) should be sealed with Butyl Tape. Fixings to timber, masonry or steelwork may be sealed with Butyl Tape.

Batten space/Service void: The internal lining (plasterboard, etc.) can be spaced off SilverProtector to create a services void. This will help to avoid penetrations through the membrane by electrical sockets, light fittings, etc. Timber battens of minimum 25mm may be used for this. To assist with air-sealing, Butyl Tape can be applied behind the batten beforehand.

Light fittings: Where no services void exists, a sealed enclosure should be formed over light fittings. The enclosure must be sealed to the membrane using Butyl Tape or Wiring penetrations must be sealed as much as possible using Where downlights are specified the preference is to use sealed, low energy (LED) units with F Capped approval, allowing continuous thermal

insulation over the light unit. If halogen units are used, they should have an F Capped approval. For further information, please contact info@arksynthetics.com