

Technical Data Sheet

Date of compilation: 26/03/2021

ARC INTERVENT

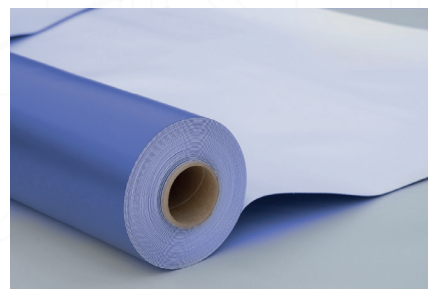
DESCRIPTION

Arc Intervent is a triple layered fabric, high performance, LR-type, vapour permeable roof underlay, made from high tensile spun bonded polypropylene layers, around a micro-porous polypropylene film. Designed for use in a fully supported or unsupported tiled, slated or metal roof system.

The high vapour permeability and waterproof nature of the membrane, combined with excellent tensile/tear strength and high wind uplift resistance make Arc Intervent the professional's choice as the ultimate breather membrane. It is equally suitable whether draped unsupported over rafters or laid directly over insulation.

The outer layer forms the functional waterproof surface, the middle layer is the breathable waterproof membrane, and the inner layer protects the membrane from abrasion and damage, also giving additional strength. This enables the fabric to allow moisture vapour to pass through, whilst remaining fully waterproof. The upper layer is blue on the 120g and grey on the 140g.

INTERVENT 120



INTERVENT PRO 140



BENEFITS

- Three Layer Membrane
- Clean and easy to use
- Lightweight and Flexible
- Excellent tensile and tear strength
- Waterproof Membrane
- Long Term Durability
- UV Stable (3 months exposure)
- Warm and Cold Roof Application

APPLICATION METHOD

Arc Intervent is designed as a secondary barrier to wind driven rain and snow, it should not be considered a primary waterproofing layer. Whilst the product is UV stable for up to 3 months exposure, good roofing practice dictates that the primary waterproofing finish (e.g. tiles, slates etc.) be applied as soon as practically possible.

Under slating membranes should not be considered as temporary weatherproof protection

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for occupied buildings or where internal fitting out is taking place. Additional protection should be afforded in these circumstances.

Arc Intervent should be unrolled across the roof, starting at the eaves and working up the roof, it is usually laid printed side up (120g is blue and 140g is grey). With normal slates and tiles the Intervent membrane can be installed draped 10mm to 15mm into the void between the rafters, it can then be secured with the tiling battens. This will leave sufficient space between the Intervent and the tiles/slates for drainage and ventilation. Intervent when installed as a fully supported system, is laid over the support and secured with counter battens, alternatively the membrane can be installed over counter battens and fixed at 200mm centres using corrosion resistant straps or galvanised clout nails. Tiling battens are fixed to the counter battens leaving a minimum airspace of 25mm between the roof sheet underlay and the tiles for drainage and ventilation.

In unventilated roof systems vapour control measures are required below the insulation layer to restrict the flow of moist air from within the inhabited building into the roof space. Additionally, the building below should be ventilated in accordance with the Building Regulations with water tanks sealed.

Abutment flashing should be wedged into a mortar joint 25mm deep and at least 150mm above the level of the slates or tiles. Intervent underlay should be turned up behind the flashing at least 100mm to prevent rain and snow being blown into the roof-space. Lap joints in the membrane should be generally in accordance with the table set out below. 600mm reinforcing strips should be fixed at hips, ridges and valleys.

Notes

1. As with all breather membranes of this type, contact with solvents or wet timber preservatives can cause localised water penetration to occur, prior to the main weatherproofing being installed.
2. Where a roof underlay or breather membrane is to be laid over open rafters, a drape of between 10mm to 15mm between the rafters is desirable to guide any rainwater penetrating the main roof finish away from the rafters to the drainage point. (The membrane must not be pulled tight against the underside of the tiling battens.)
3. Arc Intervent should never be considered as being a total protection against wind-blown rain and high winds.

LAP SIZE TABLE

Roof Pitch	Minimum Horizontal Lap Partially Supported (mm)	Minimum Horizontal Lap Fully Supported (mm)	Minimum Horizontal Lap (mm)
12.5°C - 14°C	150	225	100
15°C - 34°C	100	150	100
≥ 35°C	75	100	100

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PERFORMANCE DETAILS

Product: Intervent	INTERVENT 120	INTERVENT PRO 140
Tensile Strength (EN12311-1)	MD 170/50mm CDN 120/50mm	MD 200/50mm CDN 150/50mm
Tearing Strength (EN12310-1)	MD 90/50mm CDN 110/50mm	MD 110/50mm CDN 130/50mm
Vapour permeability	≥ 2250g/m ² /24h	≥ 2250g/m ² /24h
SD Value	0.02 m (-0.005/+0.015)	0.02 m (-0.005/+0.015)
Water Penetration Resistance	W1	W1
UV Resistance	3 months	3 months
Reaction to Fire (EN 13501-1)	Class F	Class F

LIMITATIONS

- It is the user's responsibility to ensure suitability for use..
- Read the label carefully for essential health and safety information prior to use.

NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail technical@arcbuildingproducts.ie. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.