

Magnatec MonoBreathe 100 is three-layer breathable membrane, consist of UV stabilized Polypropylene Spunbond nonwoven with a functional UV Stabilized monolithic membrane as a middle layer. It is a high quality, versatile, breather membrane for use on all pitched cold and warm roofs, and insulated wall applications. The material meets EN 13859-1 for pitched roofing and EN 13859-2 for walls. The membrane has excellent water resistance and provides high breathability; it is strong yet lightweight.

## Features and Benefits:

- ✓ Magnatec MonoBreathe 100 offers higher level of structural protection compared with microporous membranes.
- ✓ 100% Waterproof performance, impermeable to heavy driving rain.
- ✓ Intelligent membrane, breathability increases with Humidity or Temperature.
- ✓ Superior protection from Fungus and Mold
- ✓ Very High Resistance to chemicals and surfactants during weathering.
- ✓ Flexibility at cold temperatures
- ✓ **Reduces condensation build-up** due to high vapor transmission feature that help interior water vapor escape the building to the outside.
- ✓ Helps **promote drying** and protects against water damage and mold in wall systems.
- ✓ **Fast installation**; light and easy to cut.
- ✓ Saves insulation costs and improves your buildings thermal performance.
- ✓ Can be used for Commercial and Domestic applications.
- ✓ **Long UV stability**; can be left for up to 3 months without loss of performance.
- ✓ Outstanding tear and abrasion resistance
- ✓ CE Compliant to EN 13859 for roofs & walls



## Availability:

### \*\*Custom Sizes Available as per Customer requirement

Technical Description - Magnatec MonoBreathe 100						
Roll Size:						
Standard width	1.5, 2.5, 2.75 & 3.05			m		
Roll length	50			m		
Essential characteristics				Performance		
Technical data	Test Method	Unit		Nominal	Minimum	Maximum
Water Vapour Transmission (Sd value)	EN 1931	m		0.08	0.05	0.1
Flexibility at Low Temp	EN 1109	°C		-40		
Water tightness	EN 1928	Class		W1		
Fire classification	EN 13501-1	Class		E		
Tensile strength	EN 12311-1	N/50	MD	215	195	250
	EN 12311-1	mm	CD	120	109	125
Elongation	EN 12311-1	%	MD	>60		
	EN 12311-1		CD	>60		
Tear Resistance	EN 12310-1	N	MD	95	90	105
	EN 12310-1		CD	90	90	100
Dimensional stability	EN 1107-1	%	MD	0.03	0.02	0.05
	EN 1107-1		CD	0.03	0.02	0.05
Artificial Ageing by UV & Heat - after EN 1297 & EN 1296						
Water tightness	EN 1928	Class		W1		
Tensile strength	EN 12311-1	%	MD	>75	MD	MD
	EN 12311-1		CD	>75	CD	CD
Elongation	EN 12311-1	%	MD	>90	MD	MD
	EN 12311-1		CD	>85	CD	CD

*This product is manufactured in accordance with national standards, which allow for non-critical variance in weights and measures. Text data is based on average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. All values +/-10%*



# TDS – Magnatec MonoBreathe 100

---

## Installation Guidance

Fix Magnatec MonoBreathe 100 Water Resistive Barrier membrane to the wall structure; ensure upper layers overlap lower layers. Work from the bottom moving upwards and ensuring there are minimum overlaps of 100 mm on the horizontal joints. Do not begin a vertical lap joint within 300 mm of a corner, and vertical overlaps should be at least 150 mm. Ensure the bottom framing is also protected by an overlap. Fix at suitable intervals with galvanized nails, stainless staples or similar fixings that will be permanent. Placement of membrane shall be according to local building regulations and technical standards.

Do not leave the membrane unnecessarily exposed to weathering, high winds, excessive UV etc. as this may cause damage over time. If you must leave the membrane exposed for extended periods of time, consider the use of suitable temporary protection materials. Always handle material carefully to prevent tears and punctures. Repair any damage which does occur with suitable tape.

## Packaging and Storage

Magnatec MonoBreathe 100 Water Resistive Barrier is available in customize sizes and are packaged on a pallet. Product should be stored in a cool dry place. Avoid prolonged exposure to direct sunlight. Please refer to the SDS for health and safety information.

## System or Systems of Assessment: System 3

*This product is manufactured in accordance with national standards, which allow for non-critical variance in weights and measures. Text data is based on average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. All values +/-10%*

