



Structural underlays are designed to provide micro ventilation to the underside of the zinc, drain away any moisture, and offer acoustic absorption properties. They are specifically designed for use under fully supported traditional metal roofing and cladding. The extreme elasticity of the monofilaments that make up the spacer mat allows excellent sound absorption, significantly decreasing rain drumming noise.

This product is a structural underlay mat fabricated with synthetic monofilaments, that can be purchased loosely bonded to a breather membrane with adhesive strips.

It is available in two formats:

**Structural underlay:** The structural mat only used as a micro ventilation layer.

**Structural underlay + breather membrane:** The structural mat loosely bonded to a breather membrane (with adhesive strips) which acts as a draining layer.

## Physical and mechanical characteristics

	Reference Norm	Measuring Unit	Tolerances	Structural underlay	Breather membrane
Raw material				PP	PP
Thickness	EN 1849-2	Mm	+/- 15%	8	8
Adhesive tape				No	Yes
Tensile strength MD	EN 12311-2	N/5cm	+/- 15%	60	295
Tensile strength CMD	EN 12311-2	N/5cm	+/- 15%	30	205
Tear strength MD	EN 12310-2	N	+/- 15%	-	185
Tear strength CMD	EN 12310-2	N	+/- 15%	-	230
Sd (23°C – 50% U.R.)	EN 12572	M		-	0,02
Resistance to water penetration	EN 1297	Class		-	W1
Resistance to water penetration	DIN 20811	M		-	>2
Reaction to fire	EN 13501-2	Class		E	E
Working Temperature		°C		-20/+80	-20/+80
UV Stability		Months		3	3

## Package dimensions

	Reference Norm	Measuring Unit	Tolerances	Structural underlay	Breather membrane
Flat tab	EN 1848-2	Cm	+/- 2%	-	10
Roll width	EN 1848-2	M	+/- 2%	1,4	1,5
Roll length	EN 1848-2	M	+/- 2%	30	25
Rolls per pallet		Nº		9	10