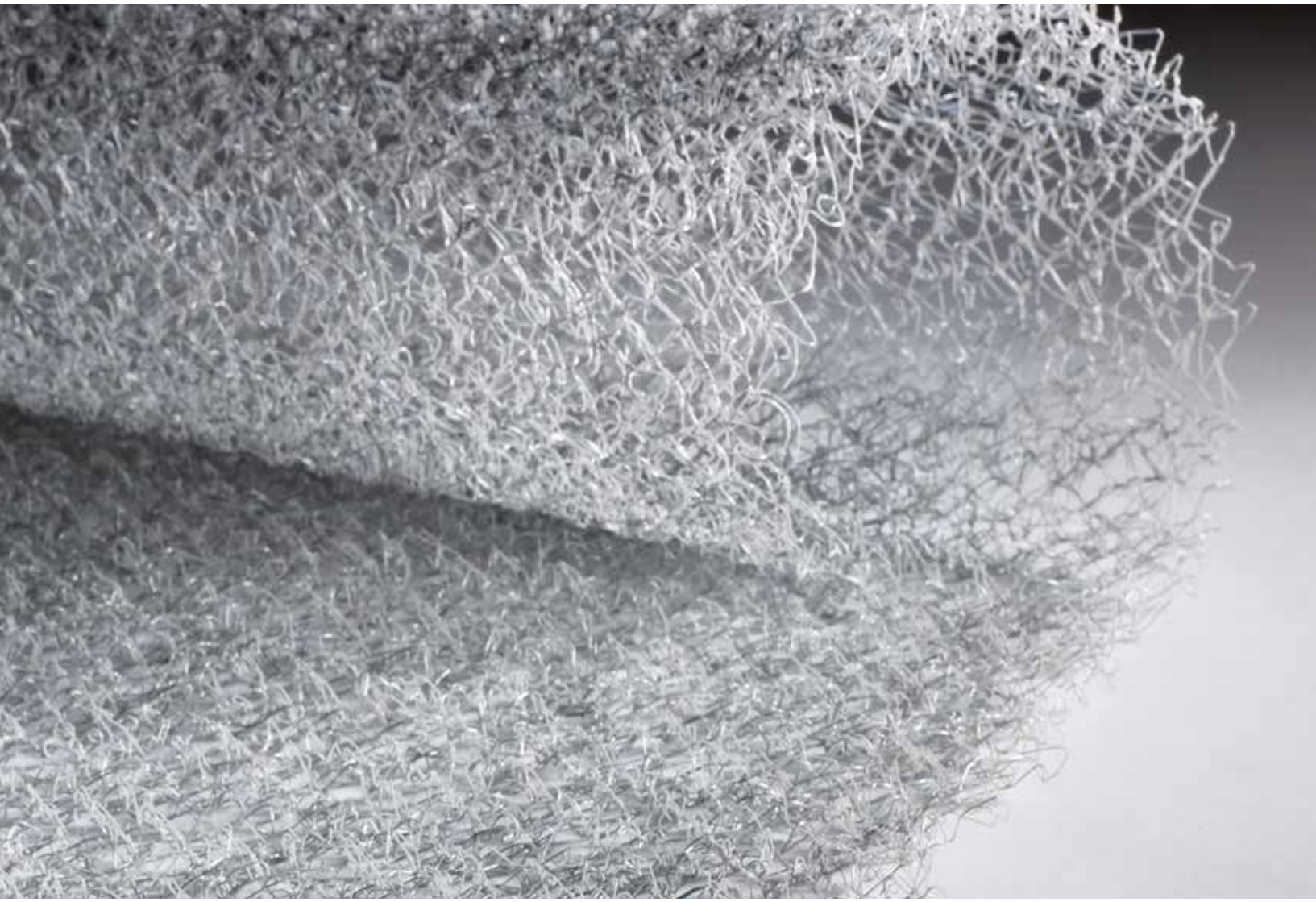
RHEINZINK®



AIR-Z®

The Structured mat from RHEINZINK

RHEINZINK offers its own structured mat for RHEINZINK-standing seam roof systems, copings and inlay gutters. AIR-Z is a three-dimensional mat made of nylon filament installed over underlayment with substrates of plywood or Oriented Strand Board (OSB). AIR-Z is required for all RHEINZINK roofs. AIR-Z compensates for structural tolerances up to 2 mm.

Required for all RHEINZINK roofs

Creates a thermal break between metal roof and sheathing

Reduces roof noise from rain or sleet

Retains strength and rigidity

Easy to cut and can be installed vertically or horizontally

Benefits of AIR-Z
RHEINZINK AIR-Z provides a number of benefits for metal roofing. The main purpose is to provide an open air space to allow moisture to flow away or evaporate. Another advantage is the thermal break created between the metal roofing and sheathing resulting in a reduction of energy use. AIR-Z also assists in the reduction of noise from driving rain and sleet by up to 21 dB.

Experience through Invention
Choosing a RHEINZINK roof represents a decision for longevity and quality. RHEINZINK is considered to be the inven-tor of the structured mat for roofing appli-cations. It was developed by our Engineers over 25 years ago as the sustainable and dependable method to provide an air space so that moisture is not trapped against the backside of the zinc.



Fig. 1: Typical standing seam application

Working with AIR-Z
AIR-Z is UV resistant for up to 6 months and retains its strength and rigidity in tempera-tures ranging from -100 degrees F to +250 degrees F. AIR-Z needs to be installed in temperatures 23 degrees F and greater. Due to its flexibility, AIR-Z is easy to cut and install – simply roll out over approved underlayment. AIR-Z can be placed horizontally or vertically.

Air-Z Creates a Thermal Break
The use of Air-Z as a thermal break creates a temperature difference of up to 22 degrees F between the roof surface and the sheathing or substrate.

Technical information and system details available upon request. To learn more about AIR-Z and other RHEINZINK products, please visit **www.rheinzink.us**

Technical Data

Physical Properties	Property	Imperial Units	Metric Units	Test Methods
	Material:	Nylon 6		
	Thickness:	.31 in	.8 mm	ASTM D5199
	Weight:	6.2 oz/yd^2	210.2 g/m^2	ASTM D5261
	Fuel/Gasoline Submersion:	Stable		
	Low Temperature:	-100 degrees F	-73 degrees C	
	High Temperature:	+250 degrees F	+121 degrees C	
	UV Stability	80% Strength Retained		ASTM G53 ASTM D5035[1]
	Tensile Strength:	MD 160 lbs/ft CD 80 lbs/ft	MD 2.3 kN/m longitu-dinal direction CD 1.2 kN/m transver-sal direction	ASTM D5035[1]
	pH Range:	3 to 12		
	Fire Rating:	NFPA class A[1] UBC class I[1]		ASTM E84
	Flame Spread:	0		ASTM E84
	Smoke Density:	30		ASTM E84
Packaging	**Property**	**Imperial Units**	**Metric Units**	
	Width:	39.3 in.	99.82 cm	
	Length:	246 feet	75 m	
	Area:	89.7 yd^2	75 m^2	
	Area:	807.3 ft^2	75 m^2	
	Roll Diameter:	33.5 in.	85.09 cm	
	Gross (Roll) Weight):	35.9 lbs.	16.28 kg	

[1] Modified

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