

EnkaMat[®]ASV 7020 Ventilating Solutions

<p>Description</p>	<p>EnkaMat[®]ASV 7020 is a 3-D multi-use mat, with continuous nylon filaments fused where they intersect. It can be used in metal and ballasted roofing applications where spacing of the roof will provide the ventilation and drainage needed for a long service life. The nylon filaments do not fail under the load of the roof and the rigors of the construction environment,</p>	<p>including heavy foot traffic. The space between the roof membrane / weather barrier underlayment and the ballast / metal roof allows moisture to flow away or evaporate. It is required under zinc roofs to prevent white rust caused by condensation on the underside of the roof. The use of EnkaMatASV[®] 7020 as a thermal break creates a temperature difference of up to</p>	<p>43°F between the roof surface and the sheathing or substrate. The entangled filament structure also reduces impact noise from rain or sleet greater than 13.5 dB compared with a metal roof directly on the weather barrier. When combined with thermal insulation and a ceiling system noise levels are reduced more than 21dB.</p>
<p>Applications</p>	<ul style="list-style-type: none"> • Spacer between zinc and other metal roofs and the weather barrier underlayment or plywood substrate in sloped applications 	<ul style="list-style-type: none"> • Thermal break between roofing materials and sheathing 	<ul style="list-style-type: none"> • Spacer between ballast and loose laid, fully adhered or mechanically attached roofs
<p>Features and Benefits</p>	<ul style="list-style-type: none"> • Reduces energy use by creating a thermal break/barrier between metal roof & sheathing • Reduces roof noise from the rain or sleet by up to 21 dB 	<ul style="list-style-type: none"> • Easy to install – simply roll out over weather barrier or roof membrane • Provides continuous air or water flow 	<ul style="list-style-type: none"> • Durable and flexible structure is easy to cut and can be placed horizontally or vertically • Dimensionally stable in hot weather – not brittle in cold

Quality Assurance

The Quality Management System of Low & Bonar has been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request. The data reproduced in this document reflects our best knowledge at the time of issue. It is subject to change arising from new research and development, as are the properties of the products described. We do not accept any liability for results obtained by using this information or the products mentioned.
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Physical Properties

Property	English Units	Metric Units	Test Method
Core Material	Nylon 6		
Thickness	0.75 in	19.05 mm	ASTM D5199
Weight	12.0 oz/yd ²	407.0 g/m ²	ASTM D5261
Low Temperature	-100° F	-73° C	
High Temperature	250° F	121° C	
Fuel/Gasoline Submersion	Stable		
pH Range	3 to 12		
UV Stability	80% Strength Retained		ASTM G53 & ASTM D5035 2
Tensile Strength	240 lbs/ft	3.5 kN/m	ASTM D6818
Resiliency (% recovery)	90%		
Fire Rating	NFPA 5000 Class A 2009 IBC Class A		ASTM E84-11a
Flame Spread	0		ASTM E84-11a
Smoke Density	25		ASTM E84-11a

¹ Low & Bonar Test Method: ASTM D 1621 modified and ASTM D4716

* Failure defined as reaching yield point or no continued measurable flow under stated load

Polymer Properties

Nylon has excellent resistance to a variety of chemicals, alkalines, dilute acids, fuels and solvents found on construction sites. It is lightweight, but also is very wear and abrasion resistant. Nylon also has high tensile strength and a high heat distortion temperature.

Packaging

Property	English Units	Metric Units
Product ID	7010-200-3900	
Core Width	39.0 in	99.1 cm
Length	200.0 ft	61.0 m
Area	72.0 yd ²	60.4 m ²
Area	650.0 ft ²	60.4 m ²
Roll Diameter	28.0 in	71.1 cm
Gross Roll Weight	37.0 lbs	16.8 kg

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