



ROCK SOLID INSULATION

A
SARDA
Venture

RHINO WIRED MATTS
Flexible **Strength.** Maximum **Protection.**

**TECHNICAL
DATA SHEET**

RHINO WIRED MATTS (RWM)

Rhino Wired Mats (RWM) are engineered for extreme-duty thermal insulation in high-temperature and high-vibration industrial environments. These mats are made by mechanically stitching stone wool insulation to galvanized or stainless-steel wire mesh, providing both flexibility and mechanical integrity for curved or irregular surfaces.

PRODUCT TECHNICAL DATA

PARAMETER	UNIT	VALUES	STANDARD
Density (ρ)	kg/m ³	70 – 150 Kg/m ³	
Thickness (t)	mm	25 – 120 mm (-2mm, +5mm)	
Length (ℓ)	mm	1520 - 5000 mm (-0.5%, +1%)	
Width (w)	mm	1200 mm / 1220 mm (±0.5%)	
Fiber Diameter (ø)	μ	< 7 microns	
Maximum Service Temperature (ST (+))	°C	750°C	IS 8183
Thickness Recovery Post Compression (CS)	%	> 90%	IS 8183
Vibration Resistance	%	<1%	IS 8183
Jolting Resistance	%	< 3%	IS 8183
Linear Shrinkage (LS)	%	< 2%	IS 8183
Surface Burning		Class A	ASTM E84
Flame Spread Index		0	ASTM E84
Smoke Developed Index		35	ASTM E84
Thermal Conductivity (λ)	W/m·K	Complies	IS 8183
Fire Performance		Class A	ASTM C612
Melting Point	°C	>1000° C	ASTM D794
Incombustibility	%	< 5%	IS 8183
Moisture Content (W or MC)	%	< 2%	IS 8183
Moisture Absorption (W)	% or g/m ²	< 2%	IS 8183
Water Vapor Sorption (H ₂ O(g))	%	< 1%	ASTM C612
Water Absorption (W)	Kg/m ²	< 0.5 Kg/m ²	BS 2972
Water Repellent	Yes or No	Yes	
Shot Content	%	<25% Including all 3 sieves as 500, 250 & 150 Micron	IS 8183
Sulphur Content	%	< 0.2%	IS 8183
Leachable Chloride Content	ppm	< 20 ppm	IS 8183
Alkalinity	pH	7 – 10 pH	IS 8183
Sound Absorption Class		Class A	ASTM C423
Facings Available		SS / GI Wire mesh	



Rhino rock mineral wool is manufactured from inorganic minerals from domestic and international sources. The raw materials are heated between 1600 °C and 1800 °C and transformed into fine fibers. Rhino is available in wired matts, slabs, building rolls, lamella, and loose wool in various shapes, facings, and dimensions with different technical characteristics. It is used for thermal and sound insulation, fire safety, and acoustic performance.

- It does not decompose or corrode
- It is asbestos and rot-free
- It is resistant to insects, mold, fungi, and vermin

ABOUT SARDA: Sarda Energy & Minerals Ltd., the flagship company of Sarda Group is a diversified Indian multinational, from mining to milk production. With a market cap of ~INR 16,000 Cr, a top line of >INR 5,000 Cr., and 8,000+ employees, Sarda is a name trusted across industries the world over. Sarda Metals & Alloys Ltd., a 100% subsidiary of the group is the largest producer and exporter of high value alloys. Visit us @ www.sardagroup.in

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COMPANY ACCREDITATIONS



CERTIFIED AS A
GREAT PLACE TO WORK
IN YEAR 2025-2026