

**rhino**<sup>TM</sup>  
ROCK SOLID INSULATION



A  
**SARDA**  
Venture

**RHINO ROCKARMOR**  
Compact Core. Unmatched Rigidity.

**TECHNICAL  
DATA SHEET**

## RHINO ROCKARMOR (RRA)

Rhino **RockArmor** lamella and boards feature vertically oriented fibers, created through a special crimping process, for exceptional compressive strength and dimensional stability. Designed to perform in façade, curtain wall, cavity fire-stop systems, cold/clean rooms, metal cladding, including doors and sandwich panels, Rhino Rockarmor maintains form and insulation performance under wind load, vibration, and long-term use.

## PRODUCT TECHNICAL DATA

PARAMETER	UNIT	VALUES	STANDARD
Density ( $\rho$ )	kg/m <sup>3</sup>	80 – 160 Kg/m <sup>3</sup>	
Thickness (t)	mm	40 – 100 mm (-2mm, +3mm)	
Length (ℓ)	mm	Up to 2400 mm (-0.5%, +1%)	
Width (w)	mm	100 mm (±2 mm)	
Fiber Diameter ( $\phi$ )	$\mu$	< 7 microns	
Maximum Service Temperature (ST (+))	°C	750°C	IS 8183
Compressive Strength	Kpa	50 - 150 Kpa	EN 826
Thickness Recovery Post Compression (CS)	%	> 90%	IS 8183
Vibration Resistance	%	< 1%	IS 8183
Jolting Resistance	%	< 3%	IS 8183
Linear Shrinkage (LS)	%	< 2%	IS 8183
Thermal Conductivity ( $\lambda$ )	W/m·K	Complies	IS 8183
Fire Performance	Class	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)	%	< 2%	IS 8183
Water Vapor Sorption (H <sub>2</sub> O(g))	%	< 1%	ASTM C612
Water Absorption (W)	Kg/m <sup>2</sup>	< 0.5 Kg/m <sup>2</sup>	BS 2972
Water Repellent	Yes or no	Yes	
Shot Content	%	<25% Including all 3 sieves of 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



Thermal  
properties



Fire  
Resistant



Acoustic  
Performance



Compressive  
Strength



Water  
Repellant



Environment  
Friendly

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](http://www.sardagroup.in)

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## COMPANY ACCREDITATIONS



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