



A
SARDA
Venture

Smart Spaces
Start with Rhino
Strong.
Silent.
Safe.

RHINO SLABS
Precision **Cut.** Powerfully **Efficient.**

RHINO SLABS (RSL)

Rhino Slabs (RSL) are premium-grade, resin-bonded rock mineral wool insulation boards designed for buildings and high-temperature industrial surfaces. Rhino slabs offer exceptional fire resistance, thermal performance, and acoustic insulation in one rock solid product. With non-combustibility, high-dimensional stability, and water-repellent properties, they are engineered to deliver decades of maintenance-free performance for building envelopes in residential, commercial, institutional, and industrial structures.

PRODUCT TECHNICAL DATA

PARAMETER	UNIT	VALUES	STANDARD
Density (ρ)	kg/m ³	40 – 180 Kg/m ³	
Thickness (t)	mm	25 – 200 mm (-2mm, +3mm)	
Length (ℓ)	mm	1000 - 1200 mm (-0.5%, +1%)	
Width (w)	mm	600 mm (±0.5%)	
Fiber Diameter (ϕ)	μ	< 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
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 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
Facings Available		Unfaced, Aluminium Foil 7 micron/ Alu Glass/ BGT	



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

DISCLAIMER: The technical information provided herein is based on current knowledge and is intended for general guidance only. Sarda Metals makes no warranties, express or implied, regarding the accuracy or suitability of this information for specific applications. Users are responsible for verifying the product's suitability for their intended use and must refer to the latest technical data and safety information. Sarda shall not be held liable for any loss, damage, or injury resulting from improper use, installation, or handling of its products.

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COMPANY ACCREDITATIONS



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