

EnSave Stone Wool Light Resin Bonded Mattress & Rolls



**Save Energy
Save World**



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EnSave Stone Wool Lightly Resin Bonded Mattresses or Rolls (LRB) are made from natural rocks & stones by melting into fibres and binding them with thermosetting binders to form the shape of mattresses or rolls. Manufacturing is performed under highly controlled parameters to ensure stable fibre distribution for even density and thickness. These mattresses are also added with speciality additives for water repellence and corrosion control.

Product Specification

Product Spec : IS: 8183:1993, ASTM C-592, BS:3958 PART-3

Service Temp : - 50°C to 750°C

Density : 85 kg/M³ to 200 kg/M³

Thickness : 25mm to 100mm

Size : 1640 X 1220 mm (Mattress form) &
4000 x 800 mm (Rolls Form)

Facing : Galvanized Steel or Stainless-Steel
Hexagonal Wire Mesh

Packing : HDPE Bags

Application Field : Boilers & Industrial Equipments, Ducts, Tanks,
Vessels, Large Dia Pipes etc



LRB Mattress/Rolls are flexible, backed with wiremesh for support these mattresses/rolls are most suitable for industrial applications, it can be easily curved, wrapped on equipment's, pipes or irregular surfaces.



Thermal Properties



Acoustic Capabilities



Fire - Resilience



Water Repellency



Compatibility

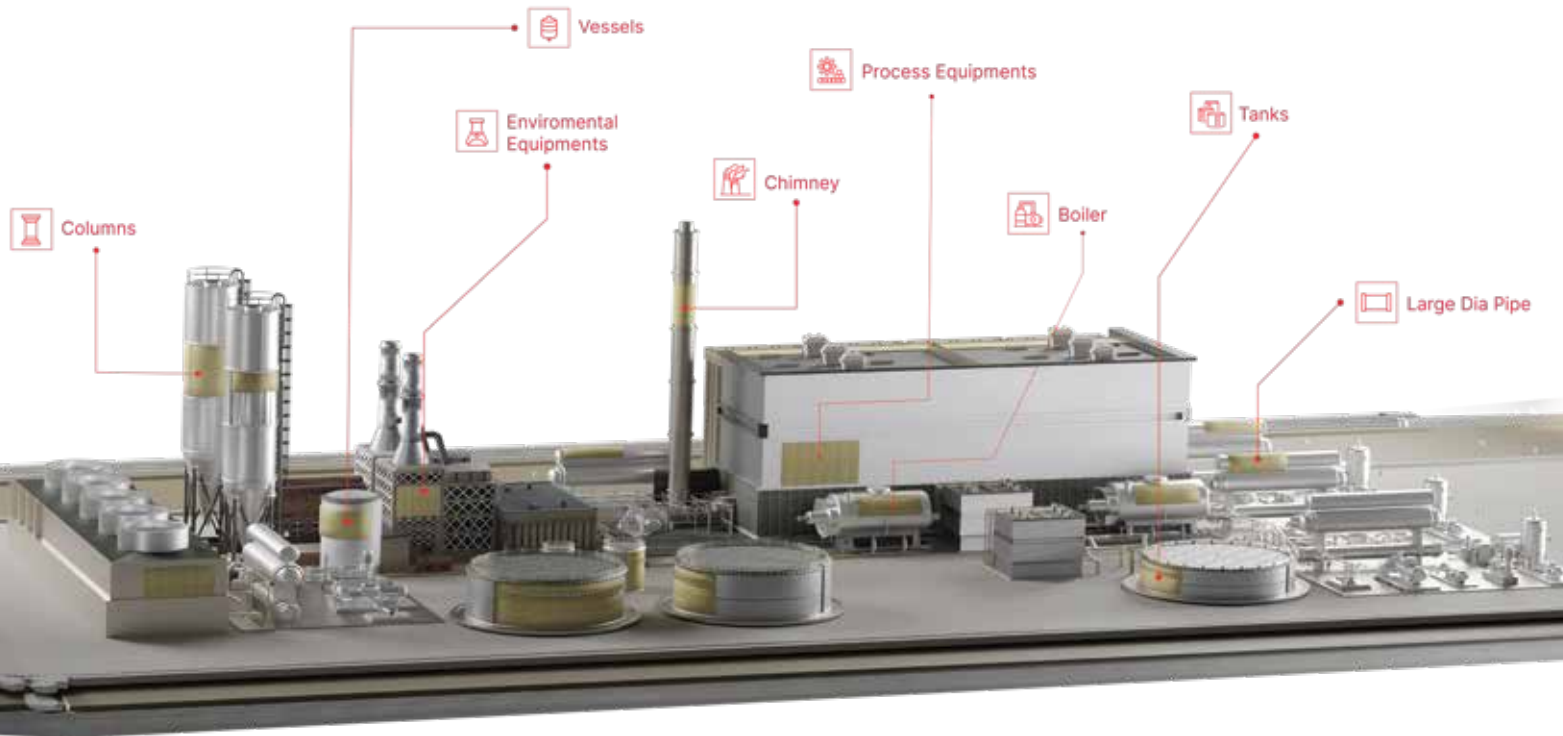


Long Lasting

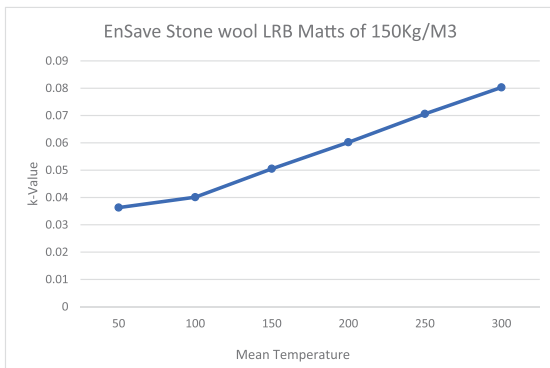


Recyclability

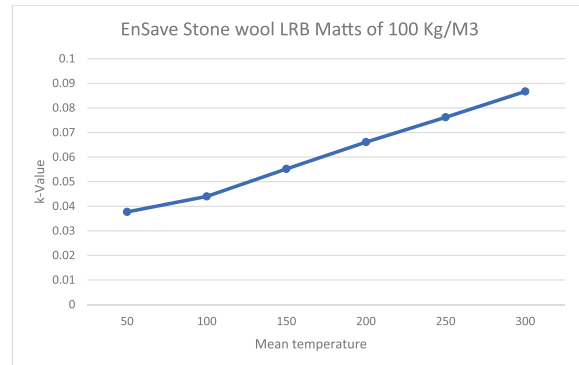
Power plants, refineries, process boilers, esp's, denox fgd, scr, cement, paper, chemical industry, steel mill, fertilizer, sugar mills



LRB - 150 Kg/M³



LRB - 100 Kg/M³



Technical Parameters

Property	Value	Specification	
Thermal Conductivity (mW/cm°C)	Temperature 50	IS:3346/1980	
	Group-3		0.37 0.44 0.55 0.66 0.76 0.86
	Group-4		0.36 0.41 0.5 0.61 0.71 0.81
Service Temperature	-50°C to 750°C	IS: 8183	
Shot Contents	5	IS: 8183:1993	
Moisture Content %	< 2% Max	IS:3144	
Chloride Content	Max 0.001 < 10Mg/Kg	IS: 8183:1993 & ASTM C 591 ASTM C 871	
Sulphur Content	0.60% Max	IS:3144	
Compressive Strength	8 kPa@10% Compression	ASTM G-165	

Hi-Tec Rock Fibre Pvt. Ltd.

Regd Off: S.V. Patel Timber Market, GE Road,
Rajnandgaon - 491441 (C.G.)

Works: Vill. Sankara (Somni), Rajnandgaon - 491441 (C.G.)

Tel: (07744) 299601, Mob: 9302432140

Email: sales@hitecrockfibre.com

Web: www.hitecrockfibre.com

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