Technical Data Sheet



ROCKINSUL LRB MATTRESS

I cock fibers processed from the molten state into fibrous form and bonded with an organic binder and secured with metallic supporting facing. Free from asbestos.2) Density:70 · 160 kg/m³3) Facing:1. Hexagonal shaped Metal Mesh with GI wire 2. Hexagonal shaped Metal Mesh with SS wire4) Dimension1.52 m and up to 4.0m(a) Length:1.52 m and up to 4.0m(b) Width:25mm · 160mm(c) Thickness:25mm · 160mm5) Thermal Conductivity at 50 °C mean temperature:25mm · 160mm6) Service Temperature:750 °C6) Maximum Exothermic Temp:Less than 0.039 W/m.K8) Linear Shrinkage:Less than 50 °C9) Water Vapor Absorption:Less than 1% by volume10) Surface Burning Characteristics<25(a) Flame Spread Index:<25(b) Smoke Developed Index:<30(c) Thission:Non-Combustible, A1 when tested as per EN 1350112) Odor Emission:No Corrosion13) Corrosiveness to Steel:No Corrosion14) Non fibrous Content:Less than 25 %15) Flexibility:Flexible16) Noise Reduction Coefficient:Stmm – 0.65; 50mm ->0.09; ;100 mm ->1.00	1) Material Composition:	Mineral fiber metal-mesh covered blanket is composed of
metallic supporting facing. Free from asbestos. 2) Density: 70 - 160 kg/m³ 3) Facing: 1. Hexagonal shaped Metal Mesh with GI wire 2. Hexagonal shaped Metal Mesh with SS wire 2. Hexagonal shaped Metal Mesh with SS wire 4) Dimension 1. S2 m and up to 4.0m (b) Width: 1.22m (c) Thickness: 25mm - 160mm 5) Thermal Conductivity at 50 °C Less than 0.039 W/m.K 6) Service Temperature: 250 °C 6) Maximum Exothermic Temp.: Less than 50 °C 8) Linear Shrinkage: Less than 50 °C 9) Water Vapor Absorption: Less than 1 % by volume 10) Surface Burning Characteristics: <30 (a) Flame Spread Index: <25 (b) Smoke Developed Index: <30 (c) Thission: Non-Combustible, A1 when tested as per EN 13501 12) Odor Emission: No Corrosion 13) Corrosiveness to Steel: No Corrosion 14) Non fibrous Content: Evest than 25 % 15) Flexibility: Flexible 16) Noise Reduction Coefficient: Stim 25 %		rock fibers processed from the molten state into fibrous
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3) Facing: a) Facing: a) Facing: a) Facing: b) Width: b) Width: c) Thickness: c) Thickness: b) Thermal Conductivity at 50 °C mean temperature: b) Service Temperature: c) Thicknes: c) Service Temperature: b) Service Temperature: c) Adamum Exothermic Temp.: b) Linear Shrinkage: c) Striner Vapor Absorption: c) Surface Burning Characteristics c) Alame Spread Index: c) Smoke Developed Index: c) Smoke Developed Index: c) Somoke Dev		metallic supporting facing. Free from asbestos.
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4) Dimension 1.52 m and up to 4.0m (a) Length: 1.52 m and up to 4.0m (b) Width: 1.22m (c) Thickness: 25mm - 160mm 5) Thermal Conductivity at 50 °C Less than 0.039 W/m.K 6) Service Temperature: 750 °C 6) Maximum Exothermic Temp.: Less than 50 °C 8) Linear Shrinkage: Less than 50 °C 9) Water Vapor Absorption: Less than 1 % by volume 10) Surface Burning Characteristics (a) Flame Spread Index: (a) Flame Spread Index: < 25 (b) Smoke Developed Index: < 50 11) Combustibility of unfaced slab Non-Combustible, A1 when tested as per EN 13501 12) Odor Emission: No detectable odor of objectionable nature was observed 13) Corrosiveness to Steel: No Corrosion 14) Non fibrous Content: Less than 25 % 15) Flexibility: Flexible 18) Noise Reduction Coefficient: 25mm – 0.65; 50mm ->0.90; ,100 mm ->1.00	3) Facing:	1. Hexagonal shaped Metal Mesh with GI wire
(a) Length: 1.52 m and up to 4.0m (b) Width: 1.22m (c) Thickness: 25mm - 160mm 5) Thermal Conductivity at 50 °C Less than 0.039 W/m.K 6) Service Temperature: 750 °C 6) Maximum Exothermic Temp.: Less than 50 °C 8) Linear Shrinkage: Less than 2 % 9) Water Vapor Absorption: Less than 1 % by volume 10) Surface Burning Characteristics <25		2. Hexagonal shaped Metal Mesh with SS wire
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(c) Thickness:25mm - 160mm5) Thermal Conductivity at 50 °C mean temperature:Less than 0.039 W/m.K6) Service Temperature:750 °C6) Maximum Exothermic Temp.:Less than 50 °C8) Linear Shrinkage:Less than 2 %9) Water Vapor Absorption:Less than 1 % by volume10) Surface Burning Characteristics (a) Flame Spread Index:<25(b) Smoke Developed Index:<5011) Combustibility of unfaced slabNon-Combustible, A1 when tested as per EN 1350112) Odor Emission:No detectable odor of objectionable nature was observed13) Corrosiveness to Steel:Less than 25 %15) Flexibility:Flexible18) Noise Reduction Coefficient:25mm – 0.65; 50mm - >0.90; ,100 mm - >1.00	(a) Length:	1.52 m and up to 4.0m
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8) Linear Shrinkage:Less than 2 %9) Water Vapor Absorption:Less than 1 % by volume10) Surface Burning Characteristics:(a) Flame Spread Index:< 25(b) Smoke Developed Index:< 5011) Combustibility of unfaced slabNon-Combustible, A1 when tested as per EN 1350112) Odor Emission:No detectable odor of objectionable nature was observed13) Corrosiveness to Steel:No Corrosion14) Non fibrous Content:Less than 25 %15) Flexibility:Flexible18) Noise Reduction Coefficient:25mm – 0.65; 50mm - >0.90; ,100 mm - >1.00	6) Service Temperature:	750 °C
9) Water Vapor Absorption:Less than 1 % by volume10) Surface Burning Characteristics< 25(a) Flame Spread Index:< 25(b) Smoke Developed Index:< 5011) Combustibility of unfaced slabNon-Combustible, A1 when tested as per EN 1350112) Odor Emission:No detectable odor of objectionable nature was observed13) Corrosiveness to Steel:No Corrosion14) Non fibrous Content:Less than 25 %15) Flexibility:Flexible18) Noise Reduction Coefficient:25mm – 0.65; 50mm - >0.90; ,100 mm - >1.00	6) Maximum Exothermic Temp.:	Less than 50 °C
10) Surface Burning Characteristics(a) Flame Spread Index:< 25(b) Smoke Developed Index:< 5011) Combustibility of unfaced slabNon-Combustible, A1 when tested as per EN 1350112) Odor Emission:No detectable odor of objectionable nature was observed13) Corrosiveness to Steel:No Corrosion14) Non fibrous Content:Less than 25 %15) Flexibility:Flexible18) Noise Reduction Coefficient:25mm – 0.65; 50mm - >0.90; ,100 mm - >1.00	8) Linear Shrinkage:	Less than 2 %
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(b) Smoke Developed Index:< 50	10) Surface Burning Characteristics	
11) Combustibility of unfaced slabNon-Combustible, A1 when tested as per EN 1350112) Odor Emission:No detectable odor of objectionable nature was observed13) Corrosiveness to Steel:No Corrosion14) Non fibrous Content:Less than 25 %15) Flexibility:Flexible18) Noise Reduction Coefficient:25mm – 0.65; 50mm - >0.90; ,100 mm - >1.00	(a) Flame Spread Index:	< 25
12) Odor Emission:No detectable odor of objectionable nature was observed13) Corrosiveness to Steel:No Corrosion14) Non fibrous Content:Less than 25 %15) Flexibility:Flexible18) Noise Reduction Coefficient:25mm - 0.65; 50mm - >0.90; ,100 mm - >1.00	(b) Smoke Developed Index:	< 50
13) Corrosiveness to Steel:No Corrosion14) Non fibrous Content:Less than 25 %15) Flexibility:Flexible18) Noise Reduction Coefficient:25mm - 0.65; 50mm - >0.90; ,100 mm - >1.00	11) Combustibility of unfaced slab	Non-Combustible, A1 when tested as per EN 13501
14) Non fibrous Content:Less than 25 %15) Flexibility:Flexible18) Noise Reduction Coefficient:25mm - 0.65; 50mm - >0.90; ,100 mm - >1.00	12) Odor Emission:	No detectable odor of objectionable nature was observed
15) Flexibility:Flexible18) Noise Reduction Coefficient:25mm - 0.65; 50mm - >0.90; ,100 mm - >1.00	13) Corrosiveness to Steel:	No Corrosion
18) Noise Reduction Coefficient: 25mm - 0.65; 50mm - >0.90; ,100 mm - >1.00	14) Non fibrous Content:	Less than 25 %
	15) Flexibility:	Flexible
Standard Compliance: ASTM C 592	18) Noise Reduction Coefficient:	25mm – 0.65; 50mm - >0.90; ,100 mm - >1.00
	Standard Compliance:	ASTM C 592

All information and data mentioned in this technical data sheet are based on tests performed in the Laboratory. Nothing herein to be construed as a warranty or representation and we recommend, However, that all potential users of the product make their own actual tests prior to using it on industrial scale

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