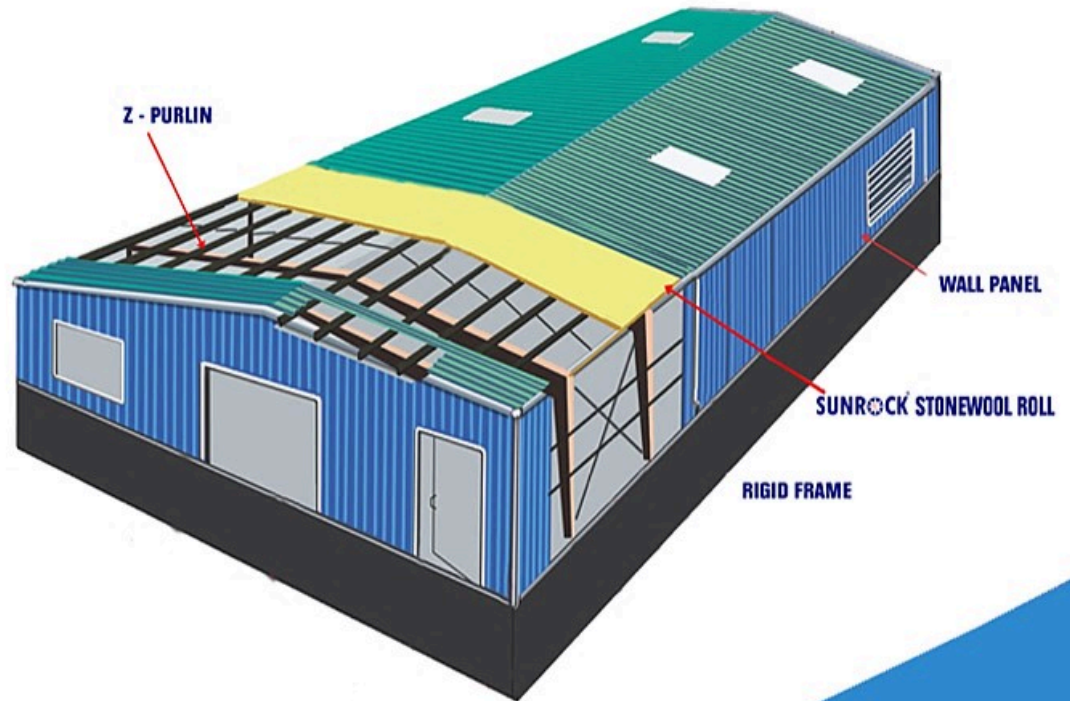




DNV



SUNROCK[®] PEB INSULATION

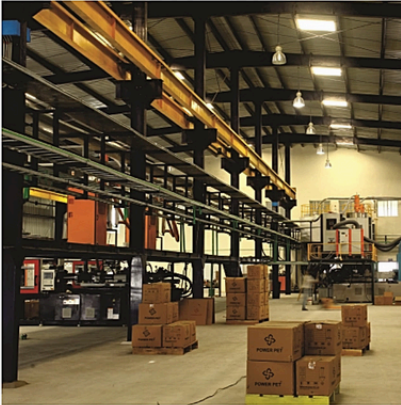


Where
Energy Saving
Matters

SUNROCK[®]
Insulating the World

Thermocare Rock wool (I) Pvt. Ltd.

SUNROCK[®] STONEWOOL ROLLS



PRODUCT SPECIFICATIONS IS : 8183 : 1993

Length of Roll	: 5m to 10m
Width of Roll	: 1.2m
Thickness	: 50mm or 100mm
Density	: 48 & 64 Kg/M ³
Facing	: FSK & ALG

The development of **SUNROCK[®]** Stonewool Roll is based on the exclusive requirements for insulation of Pre-Engineered Buildings, Large Sheds, and Pre-fabricated houses.

● VAPOUR BARRIER

SUNROCK[®] Stonewool Rolls have outstanding characteristics of water repellency with less than 0.1% of water vapor sorption & no capillary action, not only it gives comparatively higher thermal efficiency but also increases the shelf life of the roof (sheets).

PREMIUM FACINGS

ALU-GLASS (FOIL)

- Alu-Glass facing or ALG facing is glass fibers weaved aluminum foil which has a reflective properties on both sides.
- The tremendous Strength (Tension & Burst) makes it best suited for PEB Insulation and it also substitutes the Wire Mesh Support in Roofing Walls (External & Internal).
- 0% Water intrusion makes it moisture proof insulation as well as best suited for cold storage and alike sheds.
- Class O fire resistant.

Aluminium FSK

- 0.03 emissivity makes it excellent radiant barrier.
- Higher Tensile values make it strong enough to sustain application load.
- Dimensionally stable after adverse temperature change around the application area.
- Class A fire resistant.



● FIRE SHIELD

According to BS 476 (Part 7)

CLASS I

No Propagation of flames when the surface is entertained by fire

According to EN 13501-1

EUROCLASS A 1 s0 d0

According to ASTM E 84/UL723

CLASS A

Flame Spread Index 0

Smoke Developed Index 0

● WATER REPELLENCY



According to BS 2972 absorbs less than 1%

According to ASTM C 1104, C 612 & IS 8183 absorbs less than 1%

● ACOUSTICS



Sound Transmission Class-A

Noise Reduction Coefficient - (1.0)



Aluminium - FSK

DENSITY (kg/m3)	THICKNESS (mm)	K-VALUE & R-VALUE				
		TEMPERATURE (°C)	20	40	50	100
48	50	K-VALUE (W/m.K)	0.037	0.043	0.049	0.058
		R-VALUE (m2/K/W)	1.35	1.16	1.02	0.86
		TEMPERATURE (°C)	20	40	50	100
64	50	K-VALUE (W/m.K)	0.031	0.034	0.038	0.045
		R-VALUE (m2/K/W)	1.61	1.47	1.32	1.11
		TEMPERATURE (°C)	20	40	50	100

PRODUCT COMPARISON



Alu Glass - ALG

PROPERTIES	SUNROCK STONEWOOL ROLL	BUBBLE INSULATION	XLPE INSULATION	FIBRE GLASS INSULATION
Fire Proof	√	x	x	√
Sound Proof	√	x	√	√
Smoke Develop Index-0	√	x	x	√
Flame Droplet-0	√	x	x	√
Fire Rating 120 mins.	√	x	x	x
Incombustibility	√	x	x	√
Doesn't Emits Toxic Gases While Burning	√	x	x	√
Max. Service Temperature	750°C	115°C	115°C	250°C



Black Glass Tissue - BGT

PRODUCT SELECTION - FACING

ALU GLASS (ALG)

Typical Properties	Value (metric)	Test Method
Basic Weight	100 gsm	Scale
Tensile Stregth	15 kN/m	ASTM D 828
Burst strength	300N/m	ASTM D 774
Temperature Resistance	Remains Flexible No Delamination -29°C to +66°C	ASTM C 1263
Water Permeance	0 ng/N.s	ASTM E 96
Dimensional Stability	Less than 0.5%	ASTM D 1204 @ 150°F (56°C)
Emissivity	0.03	ASTM E 408

ALUMINIUM-FSK

Typical Properties	Value (metric)	Test Method
Basic Weight	100 gsm	Scale
Tensile Strength	8000 N/m-MD 4000 N/m-XD	ASTM D 828
Burst Strength	30 N/m	ASTM D 774
Temperature Resistance	Remains Flexible No Delamination -29° C to +66°C	ASTM C 1263
Dimensional Stability	Less than 0.5%	ASTM C 1204@ 150°F (65°C)
Emissivity	0.03	ASTM E 408



Without Facing

GSTIN : 24AAV FV2909E1ZY



Vansh Enterprise

All type of insulation & Accessories

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