

ROCKWOOL

BLANKET

WIRE MESH

BOARD

PIPE SECTION

ABR[®]
MINERAL WOOL

PLAIN BLANKET

Normal type among blankets. Which is suitable for big diameter pipelines, flat and irregular surfaces, building walls, and roof with good thermal insulation & acoustic absorption effects.

WIRE MESH

Used in conditions where strong vibration and high temperature. They are also recommended for thermal insulation of boilers, vessels, flanges/valves and big diameter/large irregular pipelines.

These products are relatively flexible, light weight mats.

Note : wire mesh on both sides is available.

RIGID BOARD

Have various applications at both low and high service temperature, with good load-bearing characteristics, particularly suitable for large vessels, tanks, ovens and ducts.

These products are high quality, resin-bonded boards with various compression values. **Flexible semi-rigid board and Rigid board have facing with wire mesh, metal lath, kraft paper and aluminium foil. Usually used for roofing and wall cladding.**

PIPE SECTION

Suitable for application on process and piping works operating at maximum temperature 750 °C, with outer diameter of the insulation up to 610 mm. It can also be used in air-conditioning systems, flange and central-heating.

The high water-repellent effect and external shock resistance make it ideal for application in condition where water can penetrate the insulation system and great compression resistance is required.



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FIRE RESISTANCE



THERMAL INSULATION



SOUND CONTROL



WATER
REPELLENT



PERMEABILITY



EASY
TO FIT



ENERGY
SAVING



STABILITY
DURABILITY

Performance Properties

Physical Properties



TYPE	PLAIN BLANKET			WIRE MESH			RIGIT BOARD			
Density (kg/m) ³	60	80	100	60	80	100	40	60	80	100
Thickness (mm)	25 and 50									
Width x Length (mm)	600 x 5000						600 x 1200			
Service Temperature (°C)	Up to 650									

PIPE SECTION	Density (kg/m) ³	Thickness (mm)	Length (mm)	Service Temperature (°C)
120		25 and 50	1000	Up to 750

NOMINAL PIPE SIZE	NPS (inch)	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16
ID (mm)	22	27	34	43	49	61	76	89	114	140	168	219	274	324	356	406	

Typical Figure

Type	Plain Blanket			Wire Mesh			Rigid Board			Pipe Section
Density (kg/m) ³	60	80	100	60	80	100	60	80	100	120
Mean Temp. °C	Thermal Conductivity : W/m.K(Kcal/m.h.°C)									
100 °C	0.043 (0.037)	0.042 (0.036)	0.041 (0.035)	0.043 (0.037)	0.042 (0.036)	0.041 (0.035)	0.043 (0.037)	0.042 (0.036)	0.041 (0.035)	0.038 (0.033)
200 °C	0.061 (0.052)	0.057 (0.049)	0.057 (0.049)	0.061 (0.052)	0.057 (0.049)	0.057 (0.049)	0.061 (0.052)	0.057 (0.049)	0.057 (0.049)	0.052 (0.044)
300 °C	0.087 (0.075)	0.077 (0.066)	0.073 (0.063)	0.087 (0.075)	0.077 (0.066)	0.073 (0.063)	0.087 (0.075)	0.077 (0.066)	0.073 (0.063)	0.070 (0.060)
400 °C	0.123 (0.106)	0.099 (0.085)	0.095 (0.082)	0.123 (0.106)	0.099 (0.085)	0.095 (0.082)	0.123 (0.106)	0.099 (0.085)	0.095 (0.082)	0.092 (0.079)

Sound Absorption

Sound Absorption Coefficient (Thickness = 50 mm)			
Hz	Plain Blanket	Wire Mesh	Rigid Board
125	0.29	0.29	0.30
259	0.79	0.78	0.80
500	1.10	1.11	1.15
1000	1.07	1.10	1.12
2000	1.01	1.01	1.03
4000	0.99	0.98	1.02

Standard Packaging

NAME	PACKING
Blanket/Wire Mesh	Polythene Bag/Shrink-Wrapped Polythene Bag
Board	Shink-Wrapped Polythene Bag
Pipe Section	Cardboard Box/Polythene Bag

OTHER/SPECIAL SIZE, DENSITY AND THICKNESS ON REQUEST

The **pipe section** is produced from non-combustible mineral fibers. It performs strong and rigid. Each section is split at one side hinged at the other side for easy installation. Pipe section is extremely ideal for enhancing sound absorption of pipelines in particular conditions where liquids, air, or solid particles are transported through the pipelines at high velocities.

Fire Resistance

All products are no-combustible when tested to ASTM E-136.

Moisture Resistance

All Products are water-repellent, non - hygroscopic, except pipe section has high water-repellent performance, non-hygroscopic.

Chemical Properties/Biological Properties

Mineral wool is neutral (PH7) or slightly alkaline and meet the requirement of standard ASTM C 795, JIS a 9504. It will not support the growth of molds, fungi and bacteria.



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