

Application

Plain Blanket : Normal type among blankets. Which is suitable for big diameter pipelines, flat and irregular surfaces, building walls with good thermal insulation and 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.

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.

Flexible semi-rigid board and Rigid board have facing with wire mesh, metal lath, kraft paper and aluminium foil.

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.



Product Description

Blanket



Wire Mesh



These products are relatively flexible, light weight mats.

Board



These products are high quality, resin - bonded boards with various compression values

Pipe Section



The pipe section is produced from non-com bustible mineral fibers. it performs strong and rigid. Each section is split at one side and hinged at the other side for easy installation.

Performance Properties

Physical Properties

Type	Plain Blanket			Wire Mesh			Rigit Board		
Density (kg/m³)	60	80	100	60	80	100	60	80	100
Thickness (mm)	25 & 50								
Width x Length (mm)	600 x 5000						600 x 1200		
Service Temperature (°C)	Up to 650								



Pipe Section																
Density (kg/m³)									120							
Service Temperature (°C)									Up to 750							
Thickness (mm)									25 & 50							
Length (mm)									1000							
Nominal Pipe Size																
NPS (inch)	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12	14	16
ID (mm)	22	28	34	43	48	60	76	89	114	140	169	219	273	325	356	409



Performance Properties (typical figure)

Type	Plain Blanket			Wire Mesh			Rigit 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)

The 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 normally support the growth of molds, fungi and bacteria.

Other/special size, density and thickness on request

Standard Packaging

Name	Packing
Blanket/Wire mesh	Polythene Bag/Shrink-wrapped Polythene Bag
Board	Shrink-wrapped Polythene Bag
Pipe Section	Cardboard Box/Polythene Bag

Sound Absorption

Sound Absorption Coefficient (thickness = 50 mm)			
HZ	Plain Blanket	Wire Mesh	Board
125	0.29	0.29	0.30
250	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



Fire Resistance



Easy Installation



Thermal Efficiency



Durability



Sound Absorption



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Jl. Pangeran Jayakarta 131 - A / 11, Jakarta 10730 - INDONESIA

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website : www.adimas.co.id