



**SUPERWOOL** Glasswool consists of blankets and board which provide excellent thermal insulation and sound absorption. The blanket products are lightweight, resilient, easily handled and installed which are suitable for metal roofing, partition and air conditioning application. The board products are rigid sheet for good thermal and acoustic performance which are suited for duct, boiler tank and Industrial equipment applications.

## APPLICATION

**SUPERWOOL** duct wrap and building insulation are used external insulation on commercial or residential heating and air conditioning ducts, residential roof installed between the roof joists.

### PHYSICAL CHARACTERISTICS

TYPE SPECIFICATION	BLANKET						BOARD	
	16		24		32		48	
Density (kg/m <sup>3</sup> )	16		24		32		48	
Thickness (mm)	25	50	25	50	25	50	25	50
Width (m)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Length (m)	30	15	30	15	30	15	2.3	2.3

### THERMAL CONDUCTIVITY (K-VALUE)

#### Value of thermal conductivity:

- Density 16 kg/m<sup>3</sup> (0.037 W/mk) at 20°C mean temperature.
- Density 24 kg/m<sup>3</sup> (0.035 W/mk) at 20°C mean temperature.
- Density 32 kg/m<sup>3</sup> (0.034 W/mk) at 20°C mean temperature.
- Density 48 kg/m<sup>3</sup> (0.033 W/mk) at 20°C mean temperature.

### MAXIMUM SERVICE TEMPERATURE

The maximum service temperature for **SUPERWOOL** Insulation glasswool is 340°C. Where facing are applied, the temperature tolerances of the facing adhesive limit the surface temperature to be 70°C. (The appropriate insulation thickness can be used to limit surface temperature to 70°C.)

### MOISTURE ABSORPTION

When tested in an atmosphere of 65% relative humidity at 20°C in accordance with British Standard 2972-1975, the moisture content of **SUPERWOOL** is less than 0,1% by volume.

### ALKALINITY

When tested in accordance with British Standard 3958 **SUPERWOOL** Insulation glasswool is slightly alkaline pH 9.



**ENERGY  
CONSERVATION**



**TEMPERATURE  
CONTROL**



**NOISE  
REDUCTION**



**CONDENSATION  
CONTROL**



**AFFORDABLE  
PRICE**

## SOUND ABSORPTION CO-EFFICIENTS

Sound Absorption Coefficient (Reverberation)							
Density	Thickness	Frequency - Hz					
(kg./m <sup>3</sup> )	(mm)	125	250	500	1000	2000	NRC
16	25	0.28	0.30	0.37	0.61	0.78	0.52
16	50	0.25	0.47	0.74	0.79	0.81	0.70
24	25	0.16	0.27	0.57	0.79	0.90	0.63
24	50	0.26	0.55	0.92	1.05	1.04	0.89
32	25	0.15	0.33	0.64	0.77	0.88	0.65
32	50	0.26	0.59	0.98	1.04	1.03	0.90
48	25	0.08	0.25	0.64	0.90	1.05	0.71
48	50	0.27	0.79	1.11	1.18	1.10	1.05

Result tested in accordance with AS 1045 - 1976 By the Reverberation Room Method

**SUPERWOOL** has the following sound absorption co-efficient when tested in accordance with AS 1045 - 1971 by the Reverberation Room Method. Tests were carried out with no air space behind the samples, and results are based on test reports from C.S.I.R.O. or other N.A.T.a registered laboratories.

## FIRE PERFORMANCE

**SUPERWOOL is non-combustible.** When it is exposed to the conditions of the test specified in British Standard 476: Part 4: 1970 "Fire Test on Building Materials and Structures - Non-combustibility Test for Materials".

	Index	Plain Blanket/Board
Ignitability	Index (0-20)	0
Spread of Flame	Index (0-10)	0
Heat Evolved	Index (0-10)	0
Smoke Developed	Index (0-10)	0-1

### ALSO AVAILABLE PRODUCTS :

(FOR INSULATION, ROOFING, PARTITION, AND DUCTING)



LOKFOM BJLS



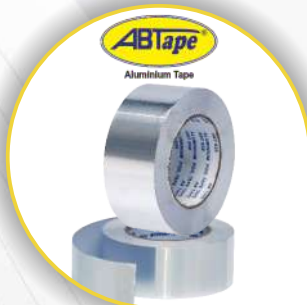
AB FOIL ALUMINIUM FOIL



AB COAT FLINKOTE



TILEMENT SPINDLE PIN



AB TAPE ALUMINIUM TAPE



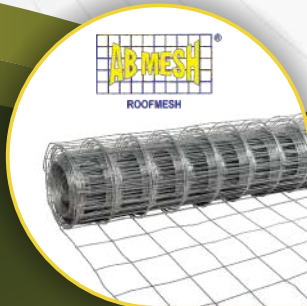
AMI METALIZING TAPE



AB GLASSCLOTH TAPE



AB CLOTH GLASSCLOTH



AB MESH ROOFMESH



KAWAT LOKET



KAWAT AYAM



## PT. ASIA TIMUR MAKMURJAYA

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