





# TRANQUIL<sup>®</sup> APS

*Glass Wool Insulation*



Insulated house protects your building against hot weather conditions, so you use less air conditioning and save on electricity bills. Additionally, Tranquil APS insulation, provides excellent fire protection and noise reduction, ultimately improving your safety and comfort

## **SAVE YOUR BILL. SAVE OUR EARTH**

In terms of energy efficiency, investing in high levels of insulation materials for your space is more cost-effective than investing in expensive heating technologies. It is worth taking the time to choose the right materials in the context of building design.

## GLASS WOOL BLANKET



**AVAILABLE FORMS** Flexible Blanket and Roll

### FEATURES AND BENEFITS

- ▶ Improves the energy efficiency of the building
- ▶ Reduces transfer of external noise to the interior.
- ▶ Absorbs reverberating sounds within the building
- ▶ Provides thermal efficiency
- ▶ Keeps the building warmer in winter and cooler in summer

### APPLICATIONS

Metal Building Insulation glass wool blanket is designed for usage under any roof system supported on purlins of metal or fibrous claddings for thermal & sound control within the building. The blanket can also be used as additional insulation to fill voids in walls and roofs of metal buildings.

AVAILABLE SIZE	Product Code	Density	Thickness	Width	Conductivity	R-Value	Packing	PKG/40'HQ
		(kg/m <sup>3</sup> )	(mm)	(mm)	(W/m·K)	(m <sup>2</sup> ·K/W)	(pcs/PKG)	(No#)
	TR BIR 1250	12	50	1200	0.039	1.20	1	Loading Qty, Please consult
	TR BIR 1275	12	75	1200	0.039	1.90	1	
	TR BIR 12100	12	100	1200	0.039	2.50	1	
	TR BIR 12150	12	150	1200	0.039	3.80	1	
	TR BIR 12200	12	200	1200	0.039	5.00	1	
	TR BIR 1650	16	50	1200	0.038	1.30	1	
	TR BIR 1675	16	75	1200	0.038	1.90	1	
	TR BIR 16100	16	100	1200	0.038	2.60	1	
	TR BIR 2450	24	50	1200	0.035	1.40	1	
	TR BIR 2475	24	75	1200	0.035	2.10	1	
	TR BIR 24100	24	100	1200	0.035	2.80	1	

Conductivity Value tested under temperature in 23°C

Consult your local sales representative for other available sizes and specification

# SEMI-RIGID GLASS WOOL BOARD



## PRODUCT INFORMATION

Tranquil APS semi-rigid board is designed for applications where high thermal and acoustic insulation performance is required in minimal thickness. Tranquil APS semi-Rigid is available with a range of functional and decorative facing materials to complement its base material performance properties. Typically used as an internal lining for air conditioning duct work, the medium density of Semi-Rigid is available in a broad range of thicknesses that meet the performance requirements.

## SOUND ABSORPTION

Thickness(mm)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
25	0.04	0.27	0.71	0.96	1.03	0.99	0.75
30	0.07	0.35	0.85	1.03	1.06	1.00	0.88
50	0.14	0.81	1.10	1.07	1.03	1.01	1.00

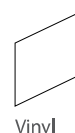
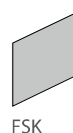
## FEATURES AND BENEFITS

- ▶ Excellent thermal and acoustic properties
- ▶ Easy to fasten
- ▶ Made to size to reduce wastage
- ▶ Excellent mechanical performance
- ▶ Available in various densities to meet specific performance

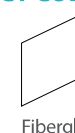
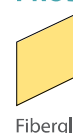
## APPLICATIONS

Typically used as an internal lining for air conditioning duct work

### FACING COLOR



### PRODUCT COLOR



# APS *Glass Wool Insulation*

## FORMALDEHYDE-FREE GLASS WOOL



### PRODUCT INFORMATION

Tranquil APS HVAC glass wool duct wrap is a lightweight, highly resilient, blanket-type, thermal and acoustical insulation made from glass fiber bonded with a thermosetting phenolic resin. Our duct wrap solutions offer a wide range of benefits to fit your requirements and needs. They Help air duct system maintain a consistent air temperature, reduce condensation and absorb draft and system operation noise for improved duct system efficiency.

### SOUND ABSORPTION

Thickness(mm)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
25	0.08	0.31	0.64	0.84	0.97	1.03	0.70
40	0.10	0.47	0.85	1.01	1.02	0.10	0.85
50	0.25	0.66	1.00	1.02	1.02	1.01	0.95
75	0.47	0.96	1.17	1.10	1.02	1.05	1.05

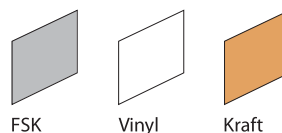
### FEATURES AND BENEFITS

- ▶ Water-based, formaldehyde-free binder technology
- ▶ Excellent thermal and acoustic properties
- ▶ Excellent moisture resistance
- ▶ High recovery for maximum yield and R-value

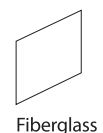
### APPLICATIONS

Residential and commercial buildings, HVAC Ductwork Insulation, and other common insulation.

### FACING COLOR



### PRODUCT COLOR





# HVAC SYSTEM INSULATION GLASS WOOL DUCT WRAP



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50	0.25	0.66	1.00	1.02	1.02	1.01	<b>0.95</b>
75	0.47	0.96	1.17	1.10	1.02	1.05	<b>1.05</b>

# GLASS WOOL TUBE



### PRODUCT INFORMATION

Tranquil APS glass wool tubes are unfaced or faced with aluminium foil manufactured from glass wool of high density. They are used for the thermal insulation of industrial pipes, central heating and solar energy installations, for insulation against freezing and condensation of the pipes, and for vibration and sound insulation of the pressure water pipes.

**AVAILABLE FORMS:** Prefabricated Rigid Tube

### AVAILABLE SIZE

Pipe O/D	Tube Wall Thickness (mm)										
mm	20	25	30	35	40	50	60	70	80	90	100
21-610	•	•	•	•	•	•	•	•	•	•	•
Length											
1 linear metre	•	•	•	•	•	•	•	•	•	•	•