

# FIREPRO CENTABUILD INSULATION

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## DUCT & EQUIPMENT INSULATION (IEI) FLEXIBLE GLASSWOOL BLANKET

### DESCRIPTION

Rolls of flexible Insulation for thermal insulation and sound control of duct work and industrial equipment operating from subzero to 350°C. These are high performance glasswool products. Manufactured with consistent fibre diameter for excellent thermal and acoustical performance. IEI is available in 24Kg/M<sup>3</sup> & 32Kg/M<sup>3</sup> density glasswool. This is significantly higher density than glasswool blanket typically used in ceiling or wall insulation.

### APPLICATION

Applications include the following:

- Heating equipment such as ovens, furnaces, and hot water generators.
- Cooling equipment such as air-conditioning duct work, food processing freezers, and low temperature speciality equipment.
- Vessels, tanks and other storage facilities with operating temperatures from subzero to 350°C.
- Ducting Insulation. (see DOC2520 data sheet for foil faced duct insulation).

### DURABLE

The glass fibres are incombustible. Being non-cellular and non-hygroscopic, they are resistant to the effect of moisture, oil, grease and most acids. The highly resilient glass fibres resist breakdown or sagging from vibration and yield readily to impact.

### RESILIENT AND FLEXIBLE

The resilience of this product range minimizes the insulation's packing down and losing its effectiveness. The performance of any insulation is dependent upon installation. The flexibility makes it easy to apply, more manageable in difficult working areas, and more conformable to curved surfaces.

### STRONG, AND EASY TO APPLY

Has high tensile strength and does not pull apart during normal handling. It can easily be pulled over duct corners, past hangers, through narrow openings, and formed around elbows, tees, etc. It is lightweight and easy to cut with an ordinary knife, and is readily attached to duct surfaces or equipment with adhesive or mechanical fasteners.

### SIZES AVAILABLE

	Density (Kg.M <sup>3</sup> )	Thickness (mm)	Width (M)	Length (M)
I.E.I 254	24	25	1.2	24
I.E.I 5024	24	50	1.2	12
I.E.I. 2532	32	25	1.2	24
I.E.I. 5032	32	50	1.2	12

General Properties	
Temperature (maximum)	350°C
K value @ 24Kg/M <sup>3</sup> @24°C	W/M°C 0.0375
K value @ 32Kg/M <sup>3</sup> @24°C	W/M°C 0.0346
Thermal Resistance	
24Kg 25mm	0.67M <sup>2</sup> °C/W
24Kg 50mm	1.33M <sup>2</sup> °C/W
32Kg 25mm	0.72 M <sup>2</sup> °C/W
32Kg 50mm	1.45 M <sup>2</sup> °C/W
Moisture absorption	Less than 5% by weight
Alkalinity	PH9, slightly alkaline (PH7 is neutral)
Corrosivity (with steel, copper or aluminium)	Does not accelerate
Odour	None
Capillarity (after 24 Hours)	Negligable
Shrinkage	None
Resistance to fungi and bacteria	Does not promote

### ACOUSTICAL PERFORMANCE

Density (Kg/M <sup>3</sup> )	Thickness (mm)	Centre Frequency (Hz)							NRC
		125	250	500	1000	2000	4000		
24	25	0.24	0.36	0.67	0.87	0.88	0.92	0.7	
32	25	0.19	0.35	0.71	0.86	0.94	0.97	0.7	
24	50	0.36	0.64	1.04	1.06	1.05	1.1	0.95	
32	50	0.38	0.72	1.11	1.07	1.04	1.07	1	

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