

Factory Applied Facings

Product is available to order with wide ranges of factory applied facings such as various grades of aluminium foil, glass cloth, glass matt, polyester laminate.

Fire Performance

Fibertex-450 achieves four zero Early Fire Hazard Indices when tested in accordance with AS 1530:Part 3-1976 (same as BS 476 : Part 5, 6, 7-1967) for non-combustible material.

Ignitability	(0-20)	0
Spread of Flame	(0-10)	0
Heat Evolved	(0-10)	0
Smoke Developed	(0-10)	0

Moisture Resistance

Exposure to an atmosphere of 50°C and 95% relative humidity for 96 hours results in moisture absorption of less than 0.2% by volume. Should insulation become wet, full thermal efficiency will be restored on drying out. Water repellent grade according to BS 2792 section 12 is available to order.

Corrosion Resistance

Fibertex-450 is faintly alkaline and is incapable of corroding steel, copper, or aluminium. To maintain this condition, protection must be provided against contamination from external sources. When tested in accordance with BS 3958: Part 5-1969, results in range of pH 7.5 - 8.0. Fibertex-450 contains less than 15ppm soluble chlorides. For critical applications involving austenitic stainless steel, a low chloride formulation is available to order.

Acoustic Properties

When tested in a reverberation chamber in accordance with AS 1045-1971 sound absorption coefficients of Fibertex-450 are shown in the table:

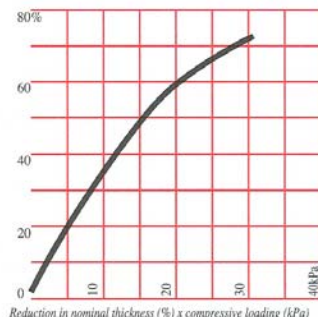
Thickness (mm)	Centre Frequency (Hz)							NRC*
	125	250	500	1000	2000	4000	5000	
25	0.11	0.20	0.80	1.10	1.02	1.12	1.20	0.75
50	0.36	0.91	1.19	1.20	1.07	1.05	1.19	0.98

NRC* is the average sound absorption coefficient between 250 to 2000 Hz

Compression Resistance

Fibertex-450 is a resilient insulation material which readily recovers to original shape after removal of compressive load.

The graph shows the reduction in thickness (%) under compressive load (kPa), measured in accordance with BS 2972-1975.



CSR Bradford Rockwool technology is well accepted and recognised by the insulation industry throughout the world. Our sales and technical executives are well trained and always prepared to offer assistance and advice on all inquiries.

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