FIBERTEX-450 ROCKWOOL DATA SHEET

ROCKWOOL

FIBERTEX-450 Industrial Blanket and Board

DATA SHEET

Product Description

Fibertex-450 is a medium density mineral fibre for thermal and acoustical insulation. It consists of long, fine fibres, spun from molten natural rock and formed into resin-bonded slab and blanket.
A suitable finish such as metal cladding is recommended to protect the insulation from weather or mechanical damage.
Fibertex-450 is supplied in flexible roll form and semi-rigid slab with good load bearing characteristics for a wide variety of applications, at both high and low temperatures.

Fibertex-450 Rockwool

Applications

Fibertex-450 is ideally suitable for a wide variety of both high and low temperature applications in Ovens, Boilers, Hot and Cold Ductwork, Piping, Storage tanks, Chimneys.
Fibertex-450 is easily installed by impaling with pins and securing with speed clips. For small diameter vessels or irregular shaped surfaces, Fibermesh-450 is recommended. Fibertex-450 provides excellent acoustic performance as a sound absorbent material for wall lining and silencers. Furthermore, it can be used as fire safing insulation in Fire doors and Fire barriers.

Standard Sizes & Packaging

Thickness (mm)	Blanket Size (mm x mm)	Pieces /pack	Board Size (mm x mm)	Pieces /pack
25	5000 x 600	1	1200 x 600	12
30	5000 x 600	1	1200 x 600	10
40	5000 x 600	1	1200 x 600	6
50	5000 x 600	1	1200 x 600	6
60	4000 x 600	1	1200 x 600	5
70	3000 x 600	1	1200 x 600	4
80	2000 x 600	1	1200 x 600	3
90	2000 x 600	1	1200 x 600	3
100	2000 x 600	1	1200 x 600	3

Note: Not all standard sizes are held in stock. Some are subject to minimum order quantities. Standard packaging is shrink-wrapped polythene.

Nominal Density

80 kg/m^3 (5 lb/ft^3).

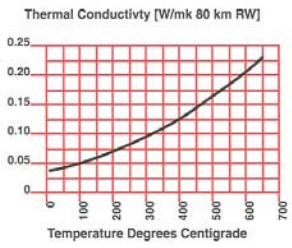
Maximum Service Temperature

Recommended operating temperature up to 450 °C (842 °F)
Capability of handling intermittent temperature up to 1000 °C (1832 °F)

Fusion Temperature

Fusion temperature or Melting point of rockwool at 1350 °C (2462 °F)

Thermal Conductivity



0.034 W/mK at 20°C mean temperature (0.235 BTU in/ft^{2}h°F at 68°F)

Thermal conductivity of Fibertex-450 varies with the mean temperature as shown in graph according to BS 874-1973.

Insulation performance requirements may be specified in many different ways such as Thermal conductivity, Thermal resistance, Process temperature, Allowable surface temperature or Heat loss.

CSR Application Enginers will provide technical services and more details to meet any specification.

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