FIREPRO CENTABUILD INSULATION

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CI/SfB
P820 DATASHEET - AUG08

Product specifications can change. Contact us to ensure you have our latest datasheet

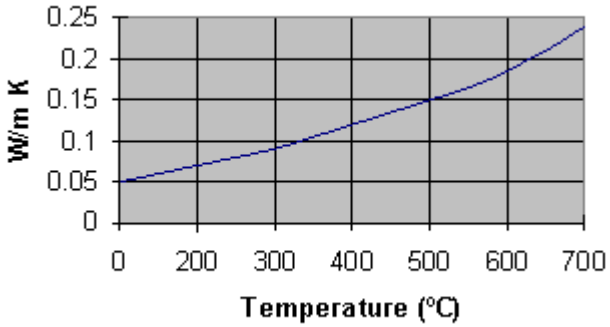
FIREPRO P820 ROCKWOOL SHEETS

DESCRIPTION
Firepro T820 Rockwool is a robust high density mineral wool with remarkable resistance to shrinkage at elevated temperatures. It consists of fine, chemically inert fibres, spun from specially selected natural rock. The fibres are bonded with a thermosetting resin to form a semi-rigid sheet. T820 Rockwool has achieved success in marine fire protection and in furnace lining applications.

TEMPERATURE LIMIT
Fusion Temperature of T820 Rockwool is above 1,100ºC (2,000ºF). For continuous operations an upper limit of 820ºC (1,508ºF) is recommended.

THERMAL CONDUCTIVITY
The thermal conductivity of T820 Rockwool varies with the mean temperature of the insulation, as shown in the graph. The curve is based on measurements made in accordance with BS 874:1973.

EARLY FIRE HAZARD INDICES
When tested in accordance with Australian Standard 1530 Part 3-1976, T820 Rockwool achieved the following Early Fire Hazard indices:

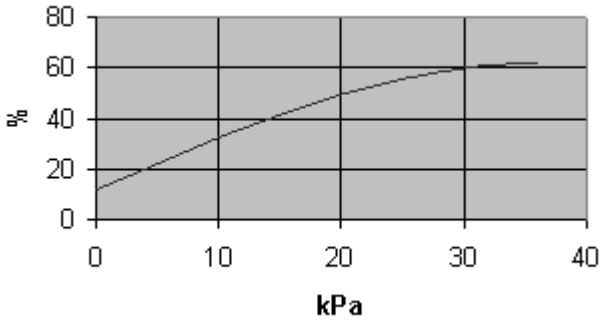


Thermal Conductivity (W/m K) x Mean Temperature (C).

(A 1530 Part 3-1976 specifies similar test procedures to BS 476 Parts 5, 6 and 7: 1968)

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

COMPRESSION RESISTANCE
T820 Rockwool offer high resistance to compression. The graph shows the reduction in thickness under comressive load, measured in accorance with BS2972:1975.



Reduction in Nominal Thickness (%) x Compressive Loading (kPa).

MOISTURE RESISTANCE
Exposure of T820 Rockwool to a controlled atmosphere of 50ºC and 95% relative humidity for 96 hours result in moisture absorption of less than 0.2% by volume. Should T820 Rockwool become wet, full thermal efficiency will be restored on drying out.

CORROSION RESISTANCE
T820 Rockwool is faintly alkaline and are incapable in themselves of corroding steel. To maintain this condition, protection must be provided against contamination from external sources.
When tested in accordance with BS3958 Part 5 1969, Firebatts had a pH of 7.5 to 8.0.

SIZES
T820 Rockwool sheets measure 1500mm x 900mm in 38mm, 50mm and 75mm thicknesses.