

FIREPRO CENTABUILD INSULATION



P820 DATASHEET – Mar 14

HEAD OFFICE: AUCKLAND (09) 579 0367
CHRISTCHURCH (03) 379 9364

www.firepro.co.nz sales@firepro.co.nz

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

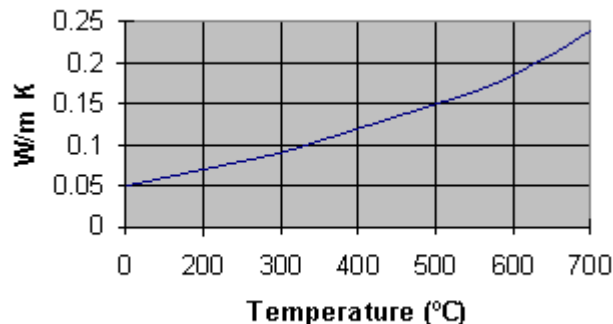
Fusion Temperature of T820 Rockwool is above 1,100°C (2,000°F). For continuous operations an upper limit of 820°C (1,508°F) is recommended.

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:



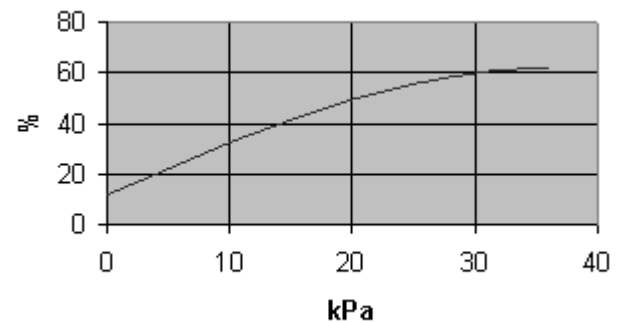
Thermal Conductivity (W/m K) x Mean Temperature (C).

(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 compressive load, measured in accordance with BS2972:1975.



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

MOISTURE RESISTANCE

Exposure of T820 Rockwool to a controlled atmosphere of 50°C 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.

NOTE: The technical information and suggestions for use and application presented herein represent the best information available to us and are believed to be reliable. If used beyond the situations detailed on this datasheet we advise confirming their suitability before installation. All dimensions are nominal.

We reserve the right to make changes or to withdraw designs and products without notice.