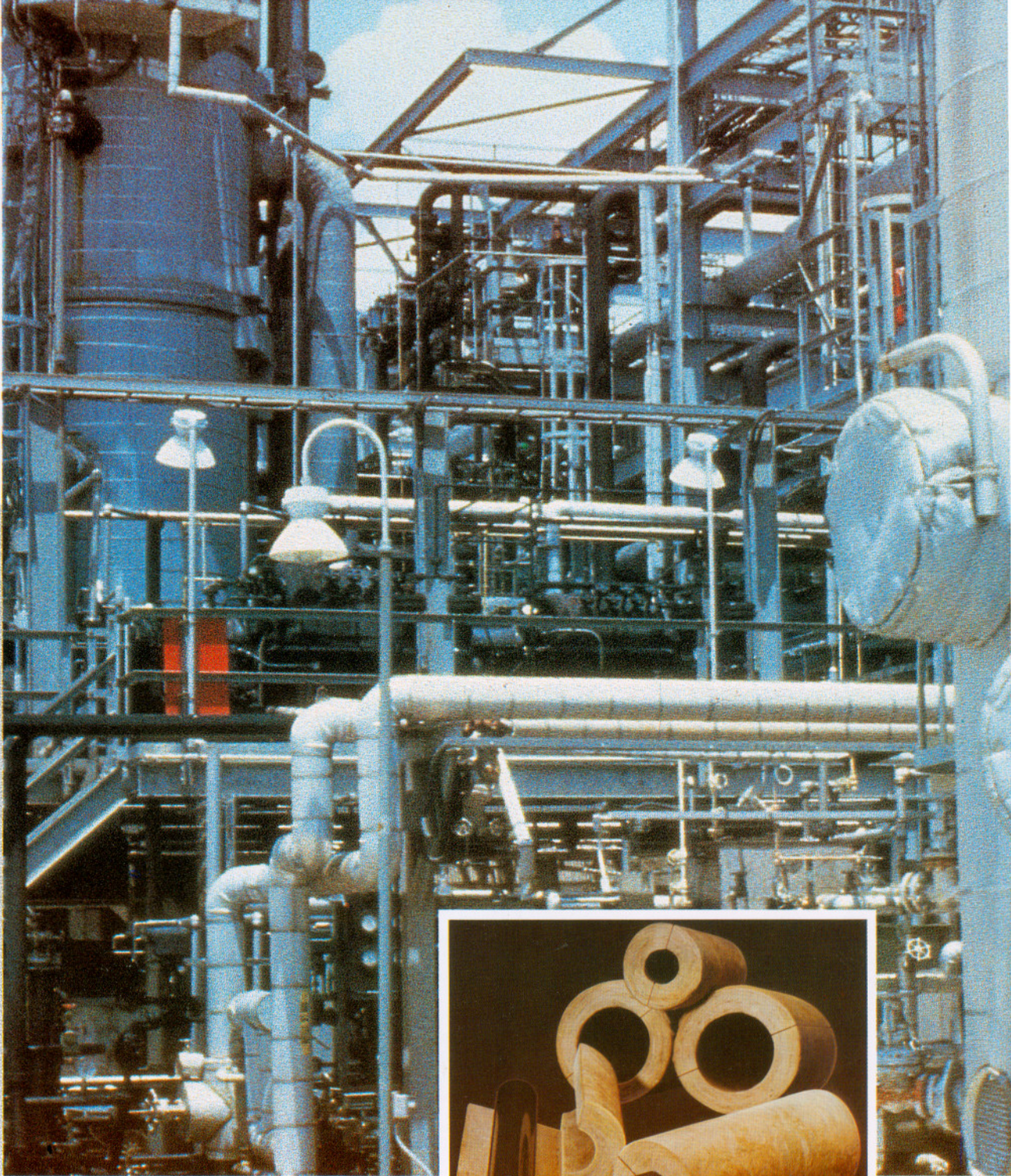




ROCKLOYD PIPE SECTIONS

RESIN BONDED, PREFORMED ROCKWOOL PIPE SECTIONS



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SERVICE TEMPERATURE : - 100 °C to +800 °C

PRODUCT

ROCKLOYD is a precisely engineered Resin Bonded Fibrous Insulation to offer maximum resistance to heat passage. Rockloyd fibres are spun from selected rocks, melted at 1600°C and blended to a carefully adjusted chemical composition. Its centrifugally spun fibres have a diameter 1/20th that of human hair which are felted using State of the Art Technology into bonded and cured pipe sections to optimum density and resilience.

Over 25 million sq. mts. of Rockloyd Insulation are in services in prestigious projects within the country saving millions of tonnes of fuel year after year.



TECHNICAL SPECIFICATIONS

Standard Densities	: 144, 150 & 160 Kg/m ³
Application Temperatures	: -100°C to + 800°C
Standard Thickness*	: 25, 40, 50, 60, 65, 75mm
Diameter Range**	: 12.5mm to 350mm Nominal Bore
Standard length	: 0.5, 0.75, 1.0 mts.
Facings (if specified)	: Kraft Paper, Scrim Cloth, Canvas or Aluminium Foil.

* Other thickness from 20 to 100mm in steps of 5mm can also be made available.

** Outer Diameter of Pipe to be specified.

WATER & MOISTURE REPELLENCY*

Rockloyd Pipe Sections, by use of special additives and fibre lay pattern have an angle contact exceeding 90° which make it totally resistant to ingress of water wherever called for. When tested as per IS, BS and ASTM standards the material exhibits excellent resistance to moisture as compared to materials like Calcium Silicate and Glasswool which are inherently hydroscopic in nature.

* Insulation Materials loose their properties when water or moisture enter their body.

CORROSION PROTECTION

Rockloyd fibres, in the first place, are devoid of impurities like Halides (Chlorides & Fluorides) and Sulphides which are commonly found in other materials such as Calcium Silicate. This is due to the fact that Rockloyd fibres are manufactured by a dry manufacturing process and its faint alkalinity actually fight against corrosive reactions. It meets various critical specifications including ASTM C-795 requirements where specified.

This feature is responsible for its exclusive selection for critical applications such as Nuclear Power plants, Ship building and Railway coaches where corrosion resistance is of vital significance.

FIRE RESISTANCE

Incombustible when tested as per IS:3144 (Melting Point of fibres is above 1000°C (1825°F))

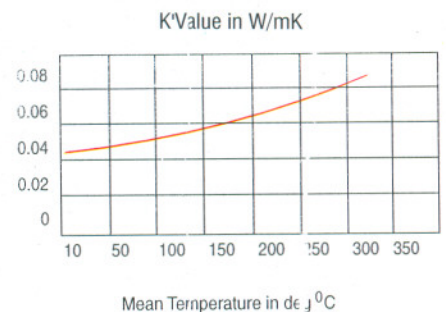
SOUND ABSORPTION

Excellent sound absorption by virtue of its scientific fibre lay pattern which ensures controlled dispersion of air pockets and precise air flow resistance.

THERMAL CONDUCTIVITY

Resin Bonded Rockloyd material is the only one to offer the **LOWEST THERMAL CONDUCTIVITY** to weight ratio thus minimising the total load on the applied pipelines or equipment.

THERMAL CONDUCTIVITY CHART ROCKLOYD K'VALUE GRAPH



R/L 144/150 Kg/m³

WHY USE PREFORMED PIPE SECTIONS

Mandrel wound and concentrically formed form fitting Pipe Sections, Precisely made to fit standard pipe diameters offer uniform maximum resistance to passage of heat along and around the entire 360 degrees of the pipe axis. Superior density of this product enhances compression resistance in service. These sections are easy to fit and hence afford speedy application at site.

SPECIFICATION CONFORMANCE

Rockloyd Pipe Sections manufactured from select rocks using State of the Art Technology conform to local & International Standards such as,

IS : 9842
BS:3958 Part-4
ASTM C 547-95

THE ROCKLOYD FAMILY



● Consult us for recommendation on thickness of Insulation and application to suit your end use condition.

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**THINK ENERGY CONSERVATION
THINK ENVIRONMENT PROTECTION
THINK LLOYD INSULATIONS.**