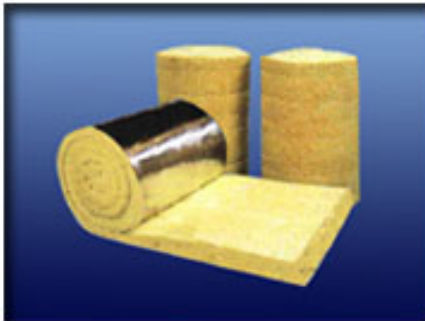


Rock Wool Insulation

Introduction

Rock wool is a mineral inorganic fibrous material with excellent and distinguished properties and characteristics. It is efficiently applied in all fields of thermo-acoustic insulation; furthermore it is used in many industries and agricultural activities.

Rock wool is produced by melting mix of basalt, limestone & coke in a special vertical furnace at very high temperature (about 1500 °C). Then the molten rock is made into thin fibers through a high speed centrifugal machine. After adding certain amount of binder, dustproof oil, silicon oil and mechanical operations, rock wool fibers are then processed to be the final desired product with specified physical and chemical properties and specifications. The binder is sprayed equably by using new technology, so the rock wool fiber and binder can be tied in perfectly; avoid delaminating which happens often on rock wools produced by small production line. Our rock wool is produced by automatization production line, the quality is much more stable and uniform.



Application

It is widely used in partition walls, hanging ceiling for buildings, big pipes, various tanks for heat preservations and sound absorptions. It can be faced with aluminum foil facing, fiber glass tissue, fiber glass cloth, reinforced PP facing to enhance the performance of vapor retardant, heat preservation etc. Rock wool felt can be strengthened with wire mesh & glass cloth.



Packing

A. White Plastic Film

B. Yellow Plastic Film



Sound Absorp.

Our rock wool is an ideal sound absorption and sound insulation material. The theory of sound absorption is rock wool products consist of fiber cross constructions, when sound wave passes, most of sound is absorbed by fiber because of friction.

Technical Data

Item	Unit	Test Value	Standard
Thermal Conductivity 70 ⁺⁵ ₋₂ °C	W/mk	< 0.044	GB10294-88
Fire-resistance	--	Noncombustible(Class A)	GB5464
Average Diameter of Fiber	Microns	< 7	GB5480.4
Highest Service Temperature	°C	650	GB11835
Acidity	--	> 1.5	(SiO ₂ + Al ₂ O ₃)/(CaO+MgO)
Moisture Content	%	< 2	GB5480
Tolerance of Density	%	± 10	GB5480
Shot Content (Particle Dia.> 0.25mm)	%	< 10	GB11835
Resin Content	% (Rock Wool Board)	< 3	GB11835
	% (Rock Wool Felt)	< 1	
Hydrophobicity	%	> 98	GB10299

Rock Wool Felt

This product is light weight, resilient, can be rolled and folded.

Density: 60Kg - 120 Kg/M³.

Thickness: 30mm - 100mm.

Width: 1000mm or 1200mm. Length: 1000mm - 5000mm.

Application:

Bare Blanket: used for big diameter pipe, wall and roof of building, provides excellent thermal insulation and sound absorption.

Blanket With Glass Cloth: Used for big industrial equipment, building, it is easy operation.

Blanket With Aluminum Foil: especially for round pipe, small equipment, air conditioning system duct. Usually used on metal building for wall heat preservation. Excellent for waterproof, dust proof, thermal insulation and reducing moisture condensation during duct system work.

Blanket With Wire Mesh: It is for the quaky and high temperature environment. Recommended to be used on furnace, ship, valve and big diameter irregular pipe as thermal insulation.

Rock Wool Board:

Density: 60Kg - 200Kg

Thickness: 25mm - 100mm.

Standard Size: 600mm x 1200mm and 630mm x 1200mm

Application:

Rock Wool Board is applicable to where high compressive strength is required. Widely used as thermal insulation of industrial boiler, and equipments in the fields of petroleum, power plant, metallurgy, textile and chemical plant. Also used as thermal insulation and sound absorption materials for partition wall, ceiling and external wall in building fields..

Note: Other size and density also can be supplied based on order.