Rock Wool Insulation

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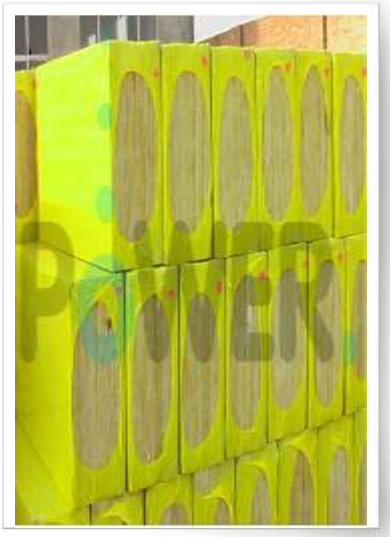
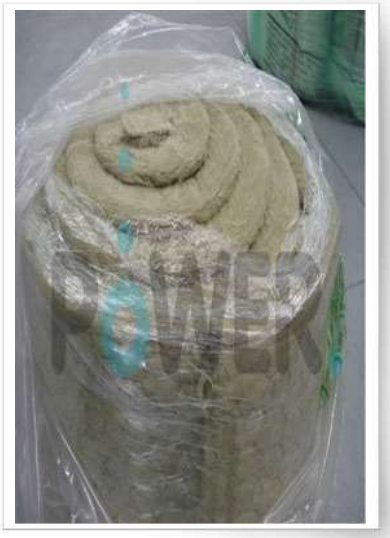
Rock Wool Insulation



Rock wool board is made of select fine basalt as the major materials which is pulled into 4-7μ non-continuous fibers after melted by adopting advanced international four-roller centrifugal cotton-making procedures and adding a certain of adhesives, dust laying oil and water repellent into rock wool fibers. It can be made into products series with different density according to various uses through the technology of sedimentation, solidify, cutting and etc.

Scope of application: Petrochemical industry -- heat insulation and sound absorption of equipment for petroleum industry, power industry and chemical industry



Construction industry -- heat insulation and sound absorption of partition, curtain wall, roofs and fences for construction. Mining industry -- heat preservation and fireproof for industrial kiln, oven, large-caliber storage tank and shipping.

Rock Wool Specification

thickness mm	density kg/m³						
	60-75	80-95	100-115	120-130	140-160	170-190	200¡¡
30				✓	✓	✓	✓
40			✓	✓	✓	✓	✓
50	✓	✓	✓	✓	✓	✓	✓
60	✓	✓	✓	✓	✓	✓	✓
80	✓	✓	✓	✓	✓	✓	✓
100	✓	✓	✓	✓	✓	✓	✓

Moisture-proof aluminum foil, black (white) glass fiber cloth, sandwich glass fiber felt and moisture-proof facings can be stuck on surface of rock wool board.

Performance of heat-preserving rock wool			
item	unit	index	experimental method
density	Kg/m³	150	GB5480.3
density allowable deviation	%	±10	
average value of fiber	um	4-7	GB5480.4
slag ball content (granule diameter)>0.25mm)	%	≤6	GB5480.5
volume water absorption	%	≤2	GB/GB16401-1996
heat absorption	%	≤1.0	GB5480.7
moisture resistivity	%	≥98	B10299-88
shrinkage temperature of heat load		≥650	GB11835-1998
organic content	%	≤4%	GB11835-1998
compressive strength (10% compressibility)	kPa	≥40	GB/T13480-92
peeling strength	kPa	≥14	DIN52274
incombustibility	--	Grade A	GB5465
thermal conductivity (70)	W/mk	≤0.041	GB10294-88
acidity coefficient		≥1.5	
binder content	%	≤3.0	

Rock Wool Physical Properties

facing density	weighing	80g/m²	88g/m²	105g/m²
thickness	micrometer			
steam permeation	ASTM E96 process A	3.5ng/N.s	1.15ng/N.s	5.75ng/N.s
bursting strength	ASTM D774	30N/m²	30N/m²	40N/m²
longitudinal tensile strength	ASTM C1136	4.2KN/m	4.0KN/m	5.4kN/m
horizontal tensile strength	ASTM C1136	2.0KN/m	2.0KN/m	2.4kN/m
ageing resistance	30days49 95%relative humidity			
resistance to low temperature	ASTM D1790 40 ,4hours	no delamination	no delamination	no delamination
mildew resistance	ASTM C665			
leaking tolerance	23 24hours			
reflection	ASTMC523	glistening	glistening	
fireproof performance	UL723			
	ASTM E84			

Packing: The product quantity of each package is up to customers. Normal packing thickness is about 300-400mm. To meet the need of logistics distribution, IKING rock wool adopts two packing forms: thermal contraction and full-closed packing. We accept OEM for different brands of products based on requirements of customers all over the world.