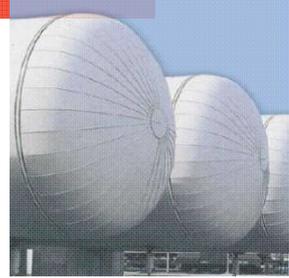


ROCK WOOL BOARD



Product Introduction

Huali rock wool products are made from natural rock such as basalt and dolomite. The natural rock are melted into melts in cupola at a very high temperature about 1500°C. And the melts lava is then pour to high speed spinners through which the melts get into fibers. At the same time, the phenolic binder containing silicon and mineral oil etc are sprayed onto the surface of each fiber homogeneously.

Rock wool board for industrial use is suitable for heat insulation, fire prevention and sound absorption and noise reduction on the surface of storage tanks, containers, boilers and catheters with flat or large diameter curved surfaces. The fiber structure of the product makes the product have good dimensional stability and compression resistance.

Performance

Industrial rock wool board has four perfect characteristics: high temperature resistance, good hydrophobicity, high corrosion resistance and low thermal conductivity, can provide the highest level of protection against heat and energy loss in the field of petrochemical, power plants, industrial tanks and other industrial equipment, to avoid fire, noise and other harmful effects.

Product Specification

Type	Density (kg/m ³)	Thickness (mm)	Size (mm)
HLYSLI40	40	50-150	1200X600
HLYSLI50	50	50-150	1200X600
HLYSLI60	60	50-150	1200X600
HLYSLI80	80	50-150	1200X600
HLYSLI100	100	40-150	1200X600
HLYSLI120	120	40-140	1200X600
HLYSLI128	128	35-140	1200X600

Technical Data

Item Name	Test Method	Standard Value	Test Value
Service Temperature	ASTMC612-14	No warping, flaming, glowing, Smoldering and smoking	650℃
Non-Fibrous (Shot) content (%)	ASTMC612-14 ASTM C1335-12	≤25	13.1%
Thermal Conductivity W/(m·k)	ASTM C612-14 ASTM C518-17 ASTM C177-19	24℃	0.034
		93℃	0.041
		204℃	0.053
		260℃	0.061
		371℃	0.082
Compressive Resistance at 10% deformation	ASTM C612-14 ASTM C165-07(2017)	≥2.4	21.0kPa
Semi-rigid or Rigid	ASTMC612-14	Semi-rigid or Rigid	Rigid
Flame Spread Index	ASTM C612-14 ASTME84-18	≤ 25	0
Smoke-developed Index	ASTM C612-14 ASTME84-18	≤ 50	0
Odor Emission	ASTM C612-14 ASTMC1101/C1101M-06	A detectable odor of Objectionable nature recorded by more than two of the five panel members shall constitute rejection of the material.	None of 5 members considered the odor was objectionable and strong.
Water Vapor Sorption by weight	ASTM C612-14 ASTMC1104/C1104M-19	≤5.0%	0.19%
Corrosiveness to Steel	ASTM C612-14 ASTMC665-17	≥21	36
Resistance to Fungi	ASTM C612-14 ASTMC1338-14	Growth no greater than that a comparative item	No growth apparent under 40 times magnification

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