ROCK WOOL BLANKET
HLY BL100-120

Product introduction

Huali rock wool is made from natural stone , melting at 1450 °C, centrifugal injection to kind of mineral fiber, add some thermosetting adhesives and additives etc, with the performance of non-combustible, non-toxic, low thermal conductivity, hydrophobic, sound absorption, etc.

Application

Huali rock wool blanket is non-combustible and will not produce toxic smoke or promote flames spreading, It has excellent acoustical dampening properties. It is environment friendly and is used for the thermal insulation and acoustic application of the house building. HLYBL should be fixed with galvanized steel wire or stainless steel wire, while used for piping or equipment

Packing & Transportation

Rock wool blanket is packed in heat shrinkable PE film or woven bags for easy handling, transportation.Products should be stored indoors or outdoor under a waterproofing cover.

Product Specification

Thickness	HLYBL60	HLY BL80	HLY BL100	HLY BL128
30-50mm	3mX600mm	5mX600mm	5mX600mm	5mX600mm
50-100mm	3mX600mm	3mX600mm	3mX600mm	3mX600mm

Technical Data

Item name		Test Method	Standard Value	Test Value
Thermal conductivity W/(m·k)	24℃	ASTMC592-16 ASTM C177-19	≤0.036	0.034
	93℃		≤0.049	0.042
	204℃		≤0.076	0.058
	260℃		≤0.092	0.070
	371℃		≤0.124	0.102
PH		ASTM C795-08	＜12.5	8.4
Non-Fibrous (Shot) content(%)		ASTMC592-16	≤25	14
ω(Cl-)%		ASTMC795-08 ASTMC871-11	When ω(SiO32-)+ ω(Na+)=0.15%, ω(Cl-)+ω(F-)<0.019%	0.0004
ω(F-)%				0.0045
ω(SiO32-)%				0.14
ω(Na+)%				0.0071
Maximum Flame Spread Index		ASTM E84-18	≤ 25	0
Maximum Smoke-developed Index		ASTM E84-18	≤ 50	0
Water Vapor Sorption by Weight		ASTMC592-16	≤5.0%	1.4%
Linear Shrinkage (%)		ASTMC592-16	≤4.0	2.28
Resistance to Fungi		ASTM C592-16 ASTMC1338	Growth no greater than that a comparative item	No growth apparent under 40 Times magnification
Severice Termperature		ASTMC592-16	No warping, flaming, glowing,Smoldering and smoking	650℃
Corrosiveness to Steel		ASTM C592-16 ASTM C665-17	＞21	35
Corrosiveness to Aluminum				27.5
Corrosiveness to Copper				24.5
Non-combustibility		ASTM E136-16a	The recorded temperature rise shall not exceed more than 30℃ with no flaming and weight loss exceeding 5%	non-combustibility
Odor Emission		ASTMC592-16	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.

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