



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. Wire mesh rock wool blanket is suitable for heat insulation, fire prevention and sound absorption and noise reduction of large pipe network, large storage tanks, containers, furnaces and air pipes, especially used for high temperature and vibration places or places with high requirements on fire prevention.

Packing & installation

Wire mesh rock wool blanket is packed in heat shrinkage PE film or woven bags. It can be cut into any length and tightly wrapped on the insulation equipment. The edges need to be joined together, leaving no gaps, and held together with steel wire. HLY WMBL can be fixed on the equipment with metal band/clip or wire.

Product specification

Thickness	HLY WMBL60	HLY WMBL80	HLY WMBL100	HLY WMBL128
30-50mm	5mx600mm	5mx600mm	5mx600mm	5mx600mm
50-100mm	3mx600mm	3mx600mm	3mx600mm	3mx600mm
Wire mesh	Galvanized or stainless steel 304/316 (1"x24# or 1"x22#)			

Technical Data

Item name		Test Method	Standard Value	Test Value
Thermal conductivity W/(m·k)	24℃	ASTMC592-16	≤0.036	0.034
	93℃	ASTM C177-19	≤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
Service Temperature		ASTMC592-16	No warping, flaming, glowing, Smoldering and smoking	650℃
Corrosiveness to Steel		ASTM C592-16	>21	35
Corrosiveness to Aluminum		ASTM C665-17		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.

Company: Tianjin Huali Thermal Insulation Building Material Co., Ltd 300451

Tel: 86 22 25212423 Fax: 86 22 25211666 Email: info@hualibw.com

