

● PRODUCT INTRODUCTION

IW-GB Glass wool blanket insulation is designed to economically improve both the noise control and thermal performance of wood or steel structure. It is intended for use in both open applications, such as the floor of vented attics, and in closed cavity applications, such as walls and floors between stories of a house. IW-GB provides many insulation solutions for metal buildings that provide excellent thermal performance as well as a variety of faced or un-faced and interior finish options and installation systems. It provides exceptional thermal and acoustical performance and is energy efficient. It's not only an improved product with new advantages but also continues to comply with all industry standards and provides equivalent thermal performance.

● PRODUCT PACKING

IW-GB glass wool blanket is packed in 3 ways:

1. Common PE bag (occupy much space, waste much more freight cost)
2. Vacuum PE bag (optimize loading space and save freight)
3. Compressed PE bag (cheaper than vacuum woven, but packing size is bigger)

Remark: for container loading, vacuum PE bag is recommended



● PRODUCT SPECIFICATION

	Length (mm)	Width (mm)	Thickness (mm)
IW-GB10	7,000-30,000	600 / 1200	40-200
IW-GB12	7,000-30,000	600 / 1200	35-200
IW-GB14	7,000-30,000	600 / 1200	30-150
IW-GB16	7,000-30,000	600 / 1200	25-150
IW-GB18	7,000-30,000	600 / 1200	25-150
IW-GB24	7,000-30,000	600 / 1200	25-150
IW-GB32	7,000-30,000	600 / 1200	25-150
IW-GB40	7,000-30,000	600 / 1200	25-150
IW-GB48	7,000-30,000	600 / 1200	25-150
Facing	Aluminum foil, kraft-paper, black tissue, PVC, vinyl, etc. or customized		
Remark	other specification, please contact our sales		

● R VALUE

Type	50mm		75mm		100mm		150mm	
	Metric m ³ °C/W	English hr.°F/btu	Metric m ³ °C/W	English hr.°F/btu	Metric m ³ °C/W	English hr.°F/btu	Metric m ³ °C/W	English hr.°F/btu
IW-GB10	1.01	5.9	0.98	8.9	2.25	12.5	3.32	
IW-GB12	1.16	6.6	1.74	9.9	2.33	13.2	3.49	18.1
IW-GB14	1.25	7.1	1.88	10.7	2.55	14.2	3.75	19.8
IW-GB16	1.28	7.3	1.92	10.9	2.66	14.6	3.85	21.3
IW-GB18	1.35	7.7	2.03	11.5	2.7	15.4	4.05	21.8
IW-GB24	1.39	7.9	2.08	11.5	2.78	15.8	4.17	23.7
IW-GB32	1.47	8.4	2.21	12.5	2.94	16.7	4.41	25.1
IW-GB40	1.52	8.6	2.27	12.9	3.03	17.2	4.55	25.8
IW-GB48	1.56	8.9	2.34	13.3	3.13	17.8	4.69	26.8



● TECHNICAL DATA

Item	Test Properties	Standard	Test Result
1	Density and Dimension	ASTM C 167	pass
2	Non-Fibrous (Shot) Content %	ASTM C 1335	15
3	Apparent Thermal Conductivity	ASTM C518	-4°C 0.030 W/(m·K) 24°C 0.034 W/(m·K) 38°C 0.036 W/(m·K) 93°C 0.042 W/(m·K) 149°C 0.050W/(m·K) 204°C 0.058W/(m·K) 260°C 0.070W/(m·K) 316°C 0.090W/(m·K) 371°C 0.102W/(m·K)
4	Maximum Use temperature and Exothermic Rise Temperature	ASTM C411 / ASTM C 447	400°C
5	Odor Emission	ASTM C 1304	No considered the odor was objectionable and strong.
6	Corrosion to Steel	ASTM C 665	36
7	Rigidity and Semi-rigidity	ASTM C 1101 / C 1101M	no visiable rupture in surface
8	Water Vapor Sorption	ASTM C 1104 / ASTM C 1104M	0.02
9	Surface Burning Characteristic Test	ASTM E84	0
10	Non-combustibility	ASTM E136-16a	non-combustibility