



**BROTHERS INDUSTRIALS INC.** ID.: 01895G

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## GLASS WOOL PRODUCTION LINE:

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Glass wool is a kind of fibrous material made of natural ores such as quartzite, dolomite, feldspar, limestone and so on, which are melted into glass fluid by adding in accessories such as calcined soda and borax and then drawn, blown or thrown into very thin fibers by external force under fusing state. As a kind of inorganic fiber, glass wool has the following basic characteristics:

- 1、 Possessing good thermal insulation performance under both high and low temperatures.
- 2、 Neither burns, nor gives off harmful gas, so it is recognized as “statutory incombustible material” by many countries.
- 3、 Possessing uniform resilience force.
- 4、 Possessing sound-absorption performance from intermediate/low frequency to high frequency and excellent noise reducing effect.
- 5、 With low moisture absorption rate under humid conditions.
- 6、 With low coefficient of linear expansion.
- 7、 With low aging rate, being able to maintain the original performance after long-time use.
- 8、 Possessing excellent handling characteristics.



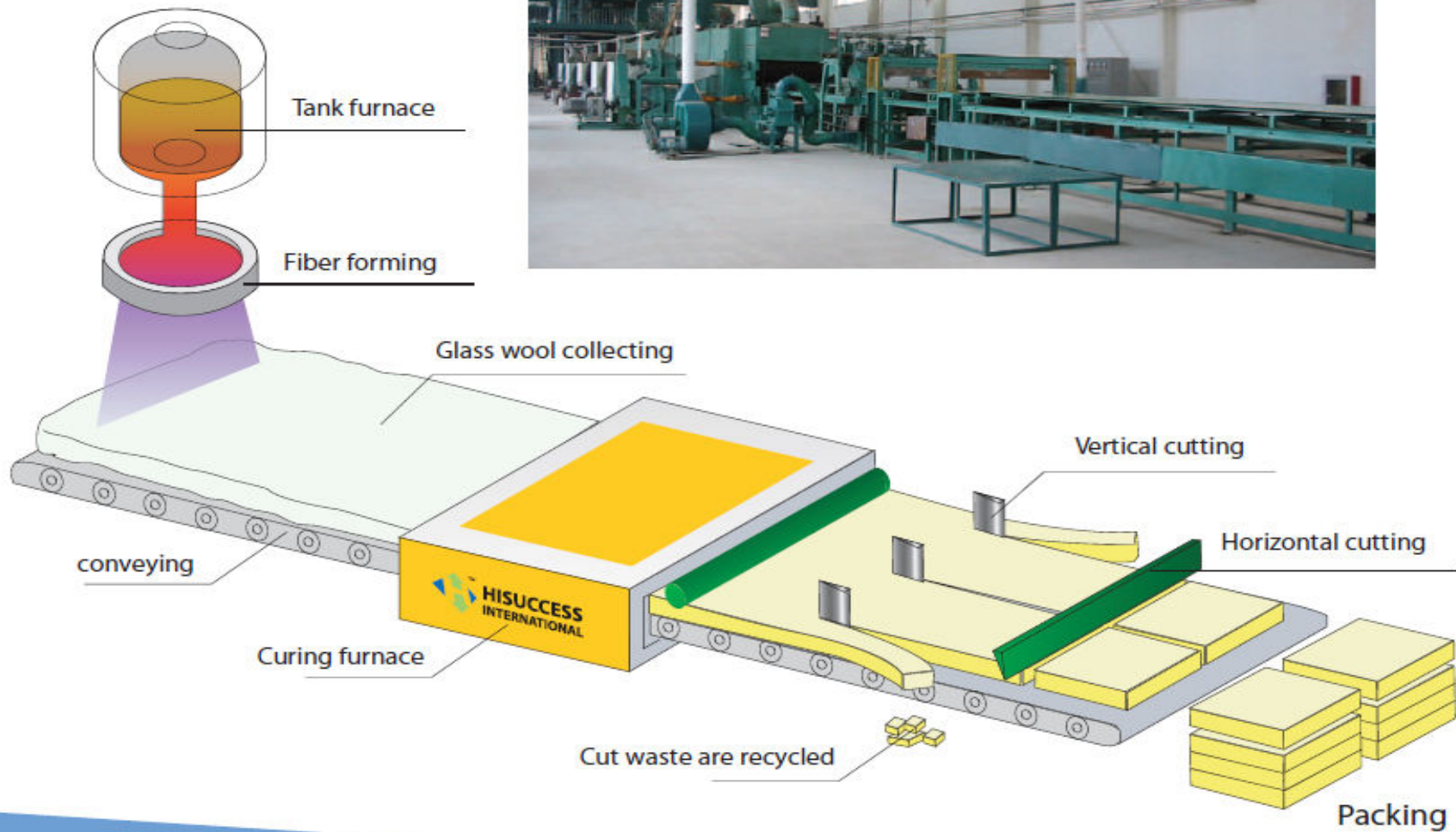
CE Certificate



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### Main Parameter

TYPE	HIM-GW-3	HIM-GW-5	HIM-GW-8	HIM-GW-10
Capacity, MT/A	3000	5000	8000	10000
Workshop(L*W), m <sup>2</sup>	70X15	90X15	100X15	100X25
Size(L*W*H), m <sup>3</sup>	55X6X9.6	70X6X9.6	80X6X9.6	70X12X9.6
Weight, MT	450	550	680	850
Power, KW	550	630	800	1200
Power Source	220V/380V, 50HZ			

### Specification of Glass Wool Products

BOARD			
Length	1200mm	Width	600mm
Thickness	25~100mm	Density	24~96Kg/m <sup>3</sup>
BLANKET			
Length	5500~22000mm	Width	600、1200mm
Thickness	120mm	Density	10-32kg/m <sup>3</sup>
PIPE			
Length	1000mm	Pipe dimension	15~730mm
Thickness	30~80mm	Density	48-96kg/m <sup>3</sup>



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### Main Materials

- 1、 Quartz sand: Its main composition is  $\text{SiO}_2$ , content of which is above 90%.
- 2、 Feldspar: It can be classified into potash feldspar and albite according to its chemical composition.  $\text{Al}_2\text{O}_3 > 15\%$ ,  $\text{SiO}_2 < 70\%$ ,  $\text{Fe}_2\text{O}_3 < 0.3\%$ ,  $\text{R}_2\text{O} > 10\%$ .
- 3、 Dolomite:  $\text{MgO} > 20\%$ ,  $\text{CaO} < 32\%$ ,  $\text{Fe}_2\text{O}_3 < 0.15$ . Dolomite is water-absorbent, so it should be stored in dry places.
- 4、 Calcined soda:  $\text{Na}_2\text{CO}_3 > 98\%$ ,  $\text{NaCl} < 1\%$ ,  $\text{Na}_2\text{SO}_4^2 < 0.1\%$ ,  $\text{Fe}_2\text{O}_3 < 0.1\%$ .
- 5、 Borax ( $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$ ):  $\text{B}_2\text{O}_3 > 35\%$ ,  $\text{Fe}_2\text{O}_3 < 0.01\%$ ,  $\text{SO}_4 < 0.02\%$ .
- 6、 Limestone:  $\text{CaO}$  50%,  $\text{Fe}_2\text{O}_3$  0.15%.
- 7、 Cullet: Broken and non-conforming glass products as well as glass chops made by chilling vitreous fluid in water, whether they are glass scraps produced in production or glass waste rejected in society, all can be used as raw materials for glass.

