



Vermiculite board is a non-combustible board in which the unique cellular structure of vermiculite is maintained and controlled by a pre-treatment process. This gives excellent thermal insulation properties with dimensional stability at high temperatures.

Vermiculite board is widely used in

**Construction**

- Acoustic finishes
- Board Fire protection (internal/external)
- Loft insulation
- Sound deadening compounds

**Industrial**

- Fireproof safes
- Furnaces
- Insulation blocks & shapes
- Insulation - high & low temperature
- Molten metal insulation
- Moulded products
- Nuclear waste disposal



VICUBO-500

Specification		VICUBO(500)	
Maximum service temperature		1100	
Bulk Density, dry	KG/M <sup>3</sup>	500	
Cold crushing strength	Mpa	1.6	
Modulus of rupture	Mpa	1.22	
Linear reheat shrinkage			
12h # 900 degree celsius	%	<1.0	
Thermal conductivity			
Mean temp.	@200	W/(mxK)	0.13
	@400	W/(mxK)	0.15
	@600	W/(mxK)	0.17
	@800	W/(mxK)	0.18
Standard size and thickness		Thickness	20,25,30,35,40,45,50mm
		Length and width	2100x900mm & 1000x610mm
		Other sizes are available upon request	



## VICUBO-600

Specification		VICUBO(600)
Maximum service temperature		1100
Bulk Density, dry	KG/M <sup>3</sup>	600
Cold crushing strength	Mpa	2.0
Modulus of rupture	Mpa	1.31
Linear reheat shrinkage		
12h # 900 degree celsius	%	<1.0
Thermal conductivity		
Mean temp.	@200	W/(mxK) 0.15
	@400	W/(mxK) 0.17
	@600	W/(mxK) 0.19
	@800	W/(mxK) 0.20
Standard size and thickness	Thickness	20,25,30,35,40,45,50mm
	Length and width	
		2100x900mm & 1000x610mm
		Other sizes are available upon request



## VICUBO-700

Specification		VICUBO(700)
Maximum service temperature		1100
Bulk Density, dry	KG/M <sup>3</sup>	700
Cold crushing strength	Mpa	2.2
Modulus of rupture	Mpa	1.8
Loss of ignition	%	6.61
Linear reheat shrinkage		
12h # 900 degree celsius	%	<2.55
Thermal conductivity		
Mean temp.	@200	W/(mxK) 0.135
	@400	W/(mxK) 0.173
	@600	W/(mxK) 0.182
	@800	W/(mxK) 0.198
Standard size and thickness	Thickness	20,30,35,40,45,50mm
	Length and width	
		2100x900mm & 1000x610mm
		Other sizes are available upon request
Chemical Analysis		SiO <sub>2</sub> : 53.39%
		Al <sub>2</sub> O <sub>3</sub> : 11.22%



	Fe2O3: 3.41%
	TiO2: 0.73%
	CaO:1.53%
	MgO: 13.98%
	K2O:4.05%
	Na2O: 6.90%

VICUBO-(900-1000)

Specification		VICUBO(900-1000)
Maximum service temperature		1100
Bulk Density,dry	KG/M <sup>3</sup>	900-1000
Cold crushing strength	Mpa	7.2
Modulus of rupture	Mpa	5.19
Linear reheat shrinkage		
12h # 900 degree celsius	%	<1.0
Thermal conductivity		
Mean temp.	@200	W/(mxK) 0.18
	@400	W/(mxK) 0.20
	@600	W/(mxK) 0.22
	@800	W/(mxK) 0.23
Standard size and thickness	Thickness	20,30,35,40,45,50mm
	Length and width	2100x900mm & 1000x610mm
	Other sizes are available upon request	
Chemical Analysis	SiO2:	53.39%
	Al2O3:	11.22%
	Fe2O3:	3.41%
	TiO2:	0.73%
	CaO:	1.53%
	MgO:	13.98%
	K2O:	4.05%
	Na2O:	6.90%

## 检 验 报 告

合同号: 2010011103  
报告编号: 20100089

产品(试样)名称: 堇石板

委托(受检)单位: 石家庄辰兴实业有限公司

检 验 类 别: 委托检验

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国家耐火材料质量监督检验中心

NQX JL-4-17

### 国家耐火材料质量监督检验中心 检 验 报 告

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单位名称	石家庄辰兴实业有限公司	委托日期	2010-1-11
单位地址	河北省灵寿县慈峪镇神岗工业开发区	特征状态	板状
试样名称	堇石板	试样数量	1块
牌号编号	/	报告日期	2010-1-15

检 验 结 果			
检验项目	单 值	平均值	检验依据说明
热导率 [热面温度: 200℃]	W/m·k 0.154	----	YB/T 4130-2005
热导率 [热面温度: 400℃]	W/m·k 0.203	----	YB/T 4130-2005
热导率 [热面温度: 600℃]	W/m·k 0.205	----	YB/T 4130-2005
热导率 [热面温度: 800℃]	W/m·k 0.213	----	YB/T 4130-2005
SiO <sub>2</sub>	% 53.39	----	GB/T 21114-2007
Al <sub>2</sub> O <sub>3</sub>	% 11.22	----	GB/T 21114-2007
Fe <sub>2</sub> O <sub>3</sub>	% 3.41	----	GB/T 21114-2007
TiO <sub>2</sub>	% 0.73	----	GB/T 21114-2007
CaO	% 1.53	----	GB/T 21114-2007
MgO	% 13.98	----	GB/T 21114-2007
K <sub>2</sub> O	% 4.05	----	GB/T 21114-2007
Na <sub>2</sub> O	% 6.90	----	GB/T 21114-2007

备 注: /

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