



金隅星

欧 式 岩 棉

European Style Rock Wool

北京金隅股份有限公司

- 世界建材百强企业。
- 中国 500 强企业。
- 上海 (A 股: 601992) 和香港 (H 股: 02009) 上市。
- 环渤海地区最大的建材供应商。
- 北京市国资委管辖国有大型企业。

北京金隅节能保温科技有限公司

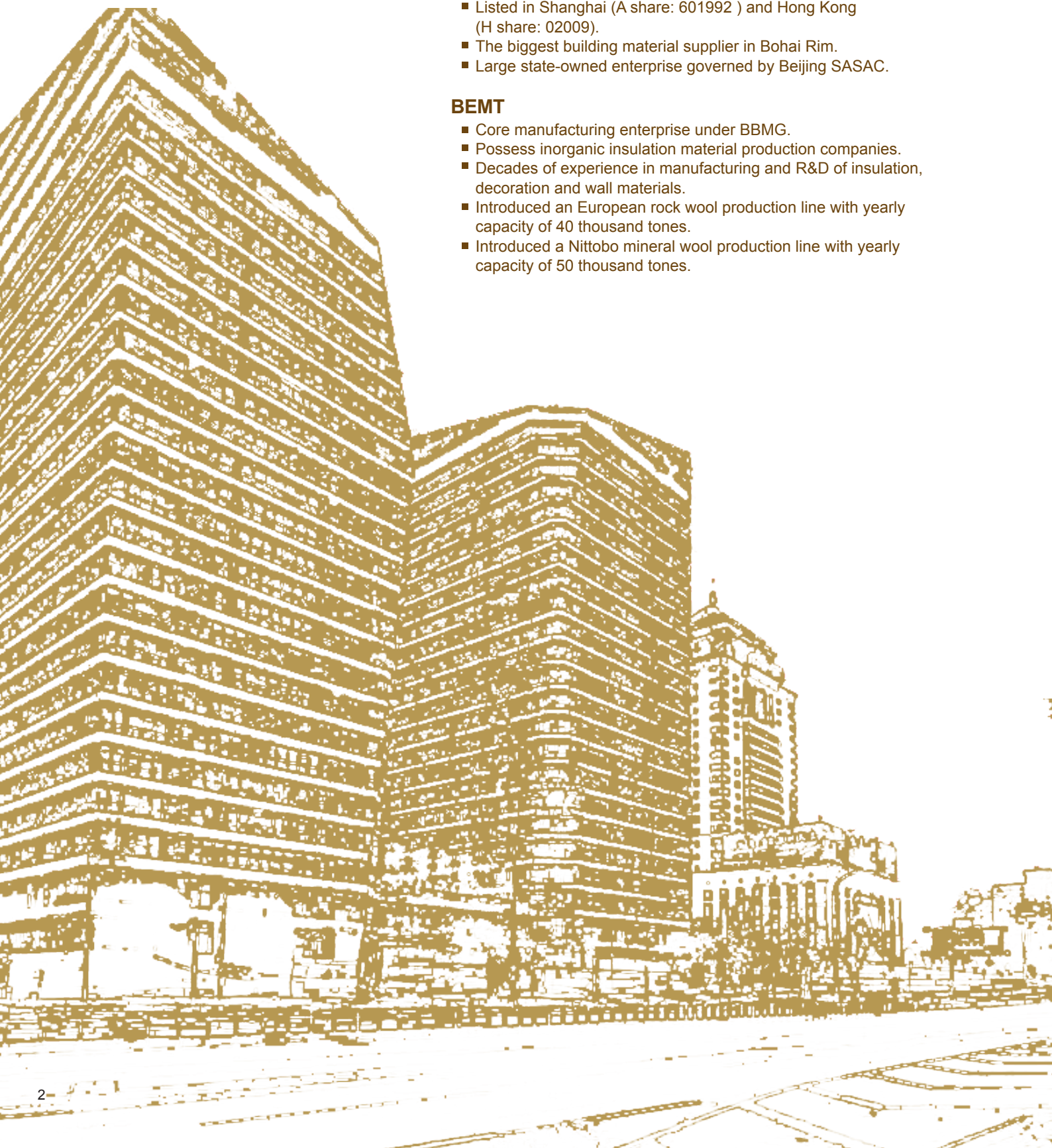
- 北京金隅股份有限公司旗下核心制造企业。
- 无机保温材料的专业生产企业。
- 拥有数十年保温材料、装饰材料和墙体材料的生产研发经验。
- 引进欧洲年产 4 万吨的岩棉生产线。
- 引进日东纺矿棉生产技术, 年产能力 5 万吨。

BBMG

- Top 100 Group in worldwide building material industry.
- Top 500 company in China.
- Listed in Shanghai (A share: 601992) and Hong Kong (H share: 02009).
- The biggest building material supplier in Bohai Rim.
- Large state-owned enterprise governed by Beijing SASAC.

BEMT

- Core manufacturing enterprise under BBMG.
- Possess inorganic insulation material production companies.
- Decades of experience in manufacturing and R&D of insulation, decoration and wall materials.
- Introduced an European rock wool production line with yearly capacity of 40 thousand tones.
- Introduced a Nittobo mineral wool production line with yearly capacity of 50 thousand tones.



产品综述

- 金隅星® 岩棉产品是以玄武岩等天然岩石为原料，经 1500℃ 以上高温电炉熔化成浆，由四辊离心机高速成纤，均匀喷淋粘合剂，以平摆布棉法铺棉，采用三维立体打褶技术，固化成型，加工成不同规格、用途的岩棉板（毡），产品具有防火、保温、憎水、吸声、耐久及环保等卓越性能。
- 建筑中每使用一吨矿物棉绝热制品，一年可节约一吨石油。通常用于保温材料的投资一年左右可以通过节约的能量回收。

Products

- G-star rock wool products use basalt and other natural rock as raw material. The raw material is weighted and mixed by recipe, melted at high temperature of 1500℃ in industrial furnace, fiberized by four-rotor spinning machine at high speed, sprayed with binder evenly, distributed in a horizontal way, crimped by three-dimension technique, cured into shape, then processed into different specifications of rock wool panel (felt) for various applications. Our products are of such excellent properties as fireproofing, thermal insulation, hydrophobicity, sound absorption, durability, environmental conservation.
- Building can save one ton of petroleum per year, for each tone of mineral wool insulation product used. Usually the investment in insulation material can be recovered in around one year by saving energy.



产品特点:

- 防火: 可抵挡至少 1000°C 高温不熔化, 符合 GB8624-2012 A1 级。
- 保温: 导热系数岩棉板材 0.032-0.040, 岩棉条 0.048 以下。
- 耐候: 酸度系数 2.0 以上, 对各类物质无腐蚀性。
- 憎水: 憎水率 99% 以上, 有效阻止水汽进入。
- 高强度: 高抗压、抗拉强度。

Product Properties:

- Fire proofing: withstand at least 1000°C high temperature without melting, conforming to GB8624-2012 A1 class.
- Thermal insulation: thermal conductivity coefficient is 0.032-0.040 for rockwool panel and under 0.048 for rockwool belt.
- Weather resistance : acidity coefficient above 2.0, non-corrosive to all kinds of material.
- Hydrophobicity: hydrophobicity above 99%, preventing moisture absorption effectively.
- High strength: high compressive and tensile strength at the same density.

玄武岩
Basalt



天然岩石为原材料。
Use natural rock as raw material.

电炉熔化
Furnace Melting



1500℃ 以上高温熔化，防火性能卓越；持续、稳定高效生产；
低碳环保，无固体废料、烟尘排放。
At a constant temperature of 1500℃ ,with remarkable fire resistance performance; Sustainable , stable and high-efficient produce; low carbon and environment-friendly, without solid waste and smoke discharge.

高速 成纤
High Speed Fiberising



布棉平稳、均匀；实现超宽幅生产。
Well- distributed wool;
Capable of extra-width produce.

平摆布棉
Horizontal Wool Distribution

三维打褶
Three-Dimension Crimping



三维立体打褶工艺；
实现高抗拉、抗压强度。
Three-dimension crimping process;
with high compressive and tensile strength.

多种规格
Various Specifications



宽度：2400mm；
厚度：30-250mm；
容重：30-220kg/m³。
Width: 2400mm;
Thickness: 30-250mm;
Density: 30-220kg/m³.

无尘切割
Dustless Cutting



产品尺寸精准；
实现清洁生产。
With accurate dimension;
Achieve clean produce.

在线检测
On-Line Monitoring



多点在线检测；
确保品质稳定。
Multi-point on-line monitoring;
ensure stable quality.



北京市老旧小区改造项目 一昌平南农家园

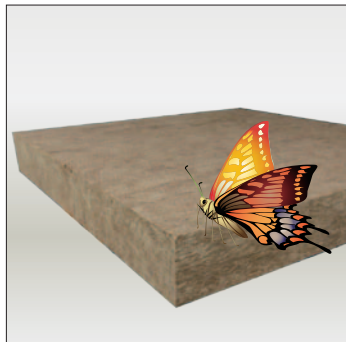
技术参数 Technical Parameters:

序号 No.	检验 (验证) 项目 Inspection items		国家标准 National standards	实测值 Measured dimension	
				1200 × 600 × 80(mm) 120kg/m ³	1200 × 600 × 50(mm) 140kg/m ³
1	酸度系数 Acidity coefficient		≥ 1.6	≥ 2.0	≥ 2.0
2	垂直于表面的抗拉强度 kPa Tensile strength perpendicular to the surface		≥ 7.5	15.3	
			≥ 10.0		20.4
3	压缩强度 (形变 10%) kPa Compressive strength (Deform 10%)		≥ 40	41.7	55.8
4	导热系数 (平均温度 25℃) W/(m·K) Thermal conductivity (The average temperature 25℃)		≤ 0.040	0.036	0.037
5	憎水率 Hydrophobic rate %		≥ 98.0	99.5	99.6
6	燃烧性能 (GB8624) Fire performance		A 级	A1	A1
7	短期吸水量 (部分浸入) kg/m ² Short-term water absorption (Partial immersion)		≤ 1.0	0.3	0.2
8	质量吸湿率 (50℃ ,RH95%,96h) % Mass moisture absorption		≤ 1.0	0.9	0.4
9	尺寸稳定性 (70℃ ,48h) Dimensional stability	长度 Length %	≤ 1.0	0.4	0.3
		宽度 Width %	≤ 1.0	0.3	0.2
		厚度 Thickness %	≤ 1.0	0.3	0.2

执行标准: GB/T 25975-2010

Implemented standards: GB/T 25975-2010

外墙外保温系统用岩棉板 (FR) 系列 Rock Wool Panel For External Wall Insulation System (FR Series)



适用范围 Application Areas:

公共建筑、工业建筑、住宅建筑和其它有较高防火要求的建筑用外墙外保温薄抹灰体系。

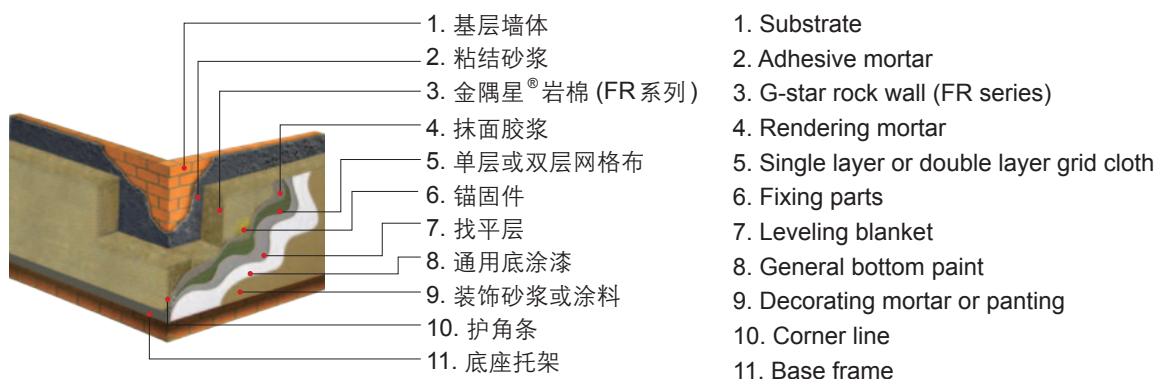
Public building, industrial construction, residential construction and other external wall thermal insulation thin rendering system.

产品特性 Product Properties:

- A1 级不燃防火材料。
A1 class non-combustible material
- 低导热系数，拥有卓越的保温隔热性能。
Low thermal conductivity and excellent thermal insulation performance.
- 较低容重下实现高抗拉、抗压强度。
High compressive and tensile strength at a relatively low density.
- 具有憎水性和不吸湿性，纤维不受水和潮气影响。
Water repellent and nonhygroscopic, with fiber not affected by water and moisture.
- 化学性能稳定，不腐蚀建筑物中的各种构件。
Stable chemical property, non-corrosive to all kinds of accessories in building.
- 透气性能良好。
Excellent air permeability.

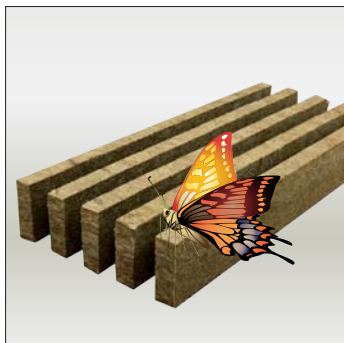
推荐产品 Recommended Products:

FR-120、FR-140。



外墙外保温系统用岩棉条 (BR) 系列

Rock Wool Belt For External Wall Thermal Insulation System (BR Series)



外墙外保温薄抹灰
系统用岩棉条
Rockwool belt for
external wall thermal
insulation thin
rendering system

适用范围 Application Areas:

防火隔离带、超高层建筑和多风地区建筑项目的外墙外保温薄抹灰体系。

Fire barrier, high-rise building, and building external wall thermal insulation rendering system in windy area.

产品特性 Product Properties:

- 具有高抗拉、抗压强度，产品性能稳定。
High compressive and tensile strength, with stable product property.
- A1 级不燃防火材料，不释放热量和有毒烟气，可有效隔断火焰蔓延。
A1 class non-combustive material, releasing no heat and toxic smoke, preventing flame spread effectively.
- 隔热性能良好，有效降低建筑保温和空调能耗。
Excellent thermal insulation performance, reducing energy consumption on warm keeping and air-conditioning effectively.
- 耐久稳定，对建筑物中各种构件不产生腐蚀。
Long lasting and stable, non-corrosive to all kinds of accessories in building.
- 高憎水，不吸湿，耐老化，性能稳定。
Hydrophobic and nonhygroscopic, anti-aging, with stable properties.
- 切割方便，施工便捷、高效。
Convenient to cut and install.

推荐产品 Recommended Products:

BR100、BR120。





北京万科金域华府

技术参数 Technical Parameters:

序号 No.	检验 (验证) 项目 Inspection items		国家标准 National standards	实测值 Measured dimension	
				1200 × 150 × 70(mm) 100kg/m ³	1200 × 200 × 80(mm) 120kg/m ³
1	酸度系数 Acidity coefficient		≥ 1.6	≥ 2.0	≥ 2.0
2	垂直于表面的抗拉强度 (纤维方向) Tensile strength perpendicular to the surface (Fiber direction)	kPa	≥ 80	95.6	130
3	压缩强度 (纤维方向) Compressive strength (Fiber direction)	kPa	≥ 40	70.0	89
4	导热系数 (平均温度 25℃) Thermal conductivity (The average temperature 25℃)	W/(m·K)	≤ 0.048	0.046	0.045
5	憎水率 Hydrophobic rate	%	≥ 98.0	99.2	99.5
6	燃烧性能 (GB8624) Fire performance		A 级	A1	A1
7	短期吸水量 (部分浸入) Short-term water absorption (Partial immersion)	kg/m ²	≤ 1.0	0.7	0.1
8	质量吸湿率 (50℃, RH95%, 96h) Mass moisture absorption	%	≤ 1.0	0.8	0.5
9	尺寸稳定性 (70℃, 48h) Dimensional stability	长度 Length	% ≤ 1.0	0.3	0.2
		宽度 Width	% ≤ 1.0	0.2	0.2
		厚度 Thickness	% ≤ 1.0	0.2	0.2

执行标准: GB/T 25975-2010

Implemented standards: GB/T 25975-2010



天津宝坻阿迪达斯物流园

技术参数 Technical Parameters:

序号 No.	检验（验证）项目 Inspection items		国家标准 National standards	实测值 Measured dimension	
				1200×600×50 (mm) 160kg/m³	1200×600×50 (mm) 180kg/m³
1	酸度系数 Acidity coefficient		≥ 1.6	≥ 2.0	≥ 2.0
2	压缩强度（形变 10%） kPa Compressive strength (Deform 10%)		≥ 40	73	99.5
3	点荷载强度（变形 5mm） N Point load strength (Deform 5mm)		≥ 200	532	1000
4	导热系数（平均温度 25℃） W/(m·K) Thermal conductivity (The average temperature 25℃)		≤ 0.040	0.037	0.038
5	憎水率 Hydrophobic rate %		≥ 98.0	99.6	99.6
6	燃烧性能 (GB8624) Fire performance		A 级	A1	A1
7	短期吸水量（部分浸入） kg/m² Short-term water absorption (Partial immersion)		≤ 1.0	0.2	0.1
8	质量吸湿率 (50℃ ,RH95%,96h) % Mass moisture absorption		≤ 1.0	0.5	0.4
9	尺寸稳定性 (70℃ ,48h) Dimensional stability	长度 Length %	≤ 1.0	0.5	0.5
		宽度 Width %	≤ 1.0	0.4	0.4
		厚度 Thickness %	≤ 1.0	0.3	0.3

执行标准：GB/T 19686
 Implemented standards: GB/T 19686

屋面保温系统用岩棉板 (HR) 系列

Rock Wool Panel For Roof Thermal Insulation System (HR Series)



适用范围 Application Areas:

建筑柔性屋面、双层金属屋面、混凝土基层屋面系统。

Flexible roof, double layer metal roof and concrete substrate roof system.

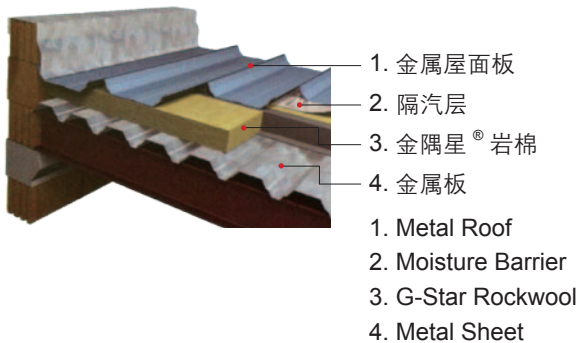
产品特性 Product Properties:

- 高抗压强度和点荷载强度，屋面维护方便快捷。
High compressive strength and point load, convenient and fast for roof maintenance.
- A1 级不燃防火材料，1000℃ 高温下不熔化。
A1 class non-combustive material. Can withstand at least 1000℃ without melting.
- 隔热性能良好，有助于减少屋面系统的冷凝现象。
Excellent thermal insulation performance, relieving water condensation in roof system.
- 具有良好隔声、降噪能力。
Excellent sound insulation and reduction performance.
- 高酸度系数，尺寸稳定性高。
High acidity coefficient and high dimension stability.

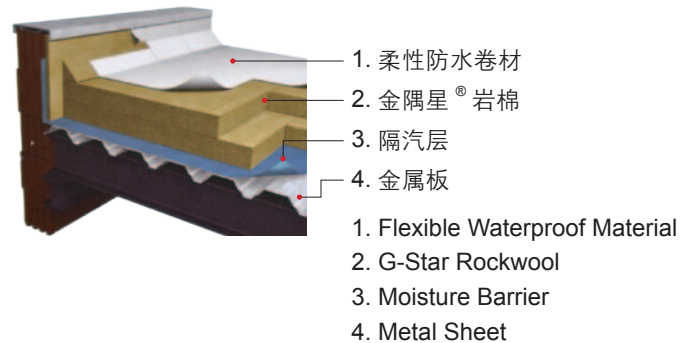
推荐产品 Recommended Products:

HR160、HR180。

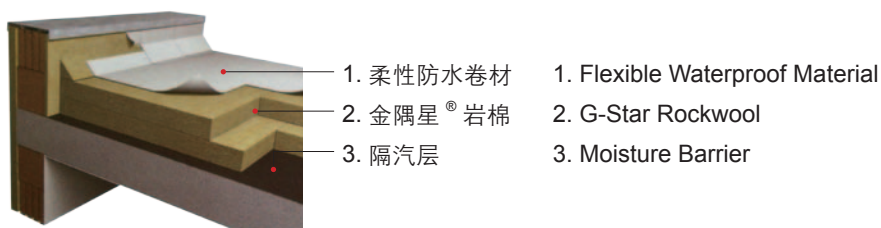
双层金属板屋面 Double Layer Metal Sheet Roof



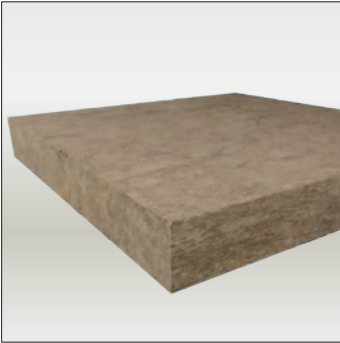
金属板屋面 Metal Sheet Roof



混凝土基层屋面 Concrete Substrate Roof



幕墙保温岩棉 (SR) 系列 Curtain wall insulation rock wool panel (SR Series)



适用范围 Application Areas:

幕墙保温系统和建筑填充系统。

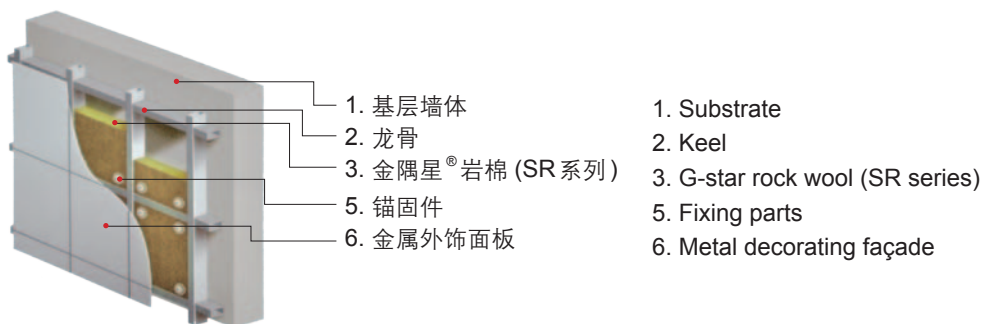
Curtain wall rock wool fireproof thermal insulation system and building filling system.

产品特性 Product Properties:

- A1 级不燃防火材料，具有卓越耐火性能。
A1 class non-combustive material, with excellent fire resistance performance.
- 天然岩石为原料，抗高温，尺寸稳定。
Use natural rock as raw material, with high heat resistance and stable dimension.
- 导热系数低，隔热保温性能高。
Low thermal conductivity and high thermal insulation performance.
- 化学性能稳定，不腐蚀金属物。
With stable chemical property, non-corrosive to metal.
- 切割方便，施工便捷。
Convenient to cut and install.

推荐产品 Recommended Products:

SR80、SR100。





北京首开美唐国风综合楼

技术参数 Technical Parameters:

序号 No.	检验（验证）项目 Inspection items	国家标准 National standards	实测值 Measured dimension	
			1200×600×70 (mm) 80kg/m ³	1200×600×80 (mm) 100kg/m ³
1	压缩强度 (形变 10%) kPa Compressive strength (Deform 10%)	≥ 10	12	21
2	导热系数 (平均温度 25℃) W/(m·K) Thermal conductivity (The average temperature 25℃)	≤ 0.040	0.038	0.036
3	燃烧性能 (GB8624) Fire performance	A 级	A1	A1
4	憎水率 Hydrophobic rate %	≥ 98.0	99.2	99.6
5	吸水率 Water absorption %	≤ 10	2	2
6	质量吸湿率 Mass moisture absorption %	≤ 5.0	0.7	0.6
7	酸度系数 Acidity coefficient	≥ 1.6	≥ 2.0	≥ 2.0
8	渣球含量 (粒径大于 0.25mm) % Shot content (Particle size greater than the 0.25mm)	≤ 10	2.5	2.1
9	纤维平均直径 μm The average diameter of Fiber	≤ 7.0	4.3	4.2

执行标准: GB/T 19686

Implemented standards: GB/T 19686

建筑防火封堵专用岩棉 (FH) 系列 Building Fires Stopping Rockwool System (FH Series)

适用范围 Application Areas:

幕墙结构中需防火封堵的部位，如幕墙与楼板、隔墙间缝隙的封堵，也可用于窗槛墙、窗间墙、防火隔墙、管道穿墙封堵、防火门等。

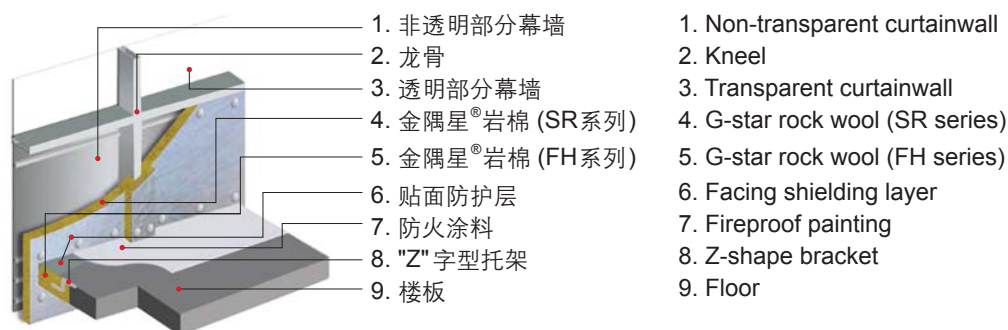
It can function as fire stopping material, used between curtain wall and building. It can also be used at windowsill wall, wall between windows, fire wall, fire door, and around conduit pipe through walls.

产品特性 Product Properties:

- 耐火极限超过2小时 (执行标准 GB/T 9978)
2 hours plus fire duration (According to standard GB/T 9978)
- 抗高温收缩，热收缩率小于2% (650℃)
Heat shrinkage is less than 2% at 650℃
- 火灾时阻隔烟气、火势蔓延
Can prohibit the spread of smoke and flame during fire

推荐产品 Recommended Products:

FH120



品牌整体优势介绍

- 拥有金隅中央研究院技术储备及应用技术研发基地。
- 全套引进欧洲先进生产装备和工艺：电炉高温熔化，四辊离心机高速成纤，平摆布棉，三维立体打褶，可按客户要求订制生产。
- 先进检测设备和手段，拥有完善的产品检测中心。
- 严格的质量管理体系（ISO9001）、环境管理体系（ISO14001）、职业健康安全管理体系（GB/T28001）。
- 拥有金隅品牌砂浆、涂料等高品质产业链，为用户提供保温装饰系统化服务。

Overall Brand Advantages

- Own BBMG Central Academy of Product and Application Technology R&D base.
- Introduce a whole set of advanced equipments and process from Europe. By high temperature melting, high-speed fiberising of four-rotor spinning machine, horizontal wool distribution, three-dimension crimping, we can make customized product.
- Own sophisticated Product Inspection Center with advanced inspection equipments and knowhow.
- Strict quality management system (ISO 9001), environmental management system (ISO 14001) and occupational health & safety management system (GB/T28001).
- Own quality industrial chain like BBMG mortar and painting, providing customers with systematic insulation & decoration service.

金隅星岩棉常规产品一览表 G-Star Rock Wool Regular Product List

外墙外保温岩棉板 (FR) 系列 External wall insulation rock wool panel (FR Series)				
品种代号 Variety code	容重 Density (kg/m³)	规格 Specification (mm)		
		厚 Thick (H)	宽 Wide (B)	长 Long (L)
FR	120/140	40/60/80/100/120/140/160	600	1200

外墙外保温岩棉带 (BR) 系列 External wall insulation rock wool belt (BR Series)				
品种代号 Variety code	容重 Density (kg/m³)	规格 Specification (mm)		
		厚 Thick (H)	宽 Wide (B)	长 Long (L)
BR	80/100/120	30/50/70/80/100/120/150	150/200	1200

屋面保温板 (HR) 系列 Roof insulation panel (HR Series)				
品种代号 Variety code	容重 Density (kg/m³)	规格 Specification (mm)		
		厚 Thick (H)	宽 Wide (B)	长 Long (L)
HR	160/180	50/75/100	600	1200

幕墙保温岩棉 (SR) 系列 Curtain wall insulation rock wool panel (SR Series)				
品种代号 Variety code	容重 Density (kg/m³)	规格 Specification (mm)		
		厚 Thick (H)	宽 Wide (B)	长 Long (L)
SR	80/100	60/80/100/120/150	600	1200

建筑防火岩棉 (FH) 系列 Building fireproof rock wool (FH Series)				
品种代号 Variety code	容重 Density (kg/m³)	规格 Specification (mm)		
		厚 Thick (H)	宽 Wide (B)	长 Long (L)
FH	≥ 120	100/150/200	600	1200

包装与储存

金隅星岩棉板均采用聚乙烯热缩膜包装，运输和储存时应注意防潮防雨，产品应存放于室内，室外存放时应放于高处并用防水布覆盖。

Package and Storage

G-star rock wool adopts polyethylene shrinking package. It should avoid moisture and rain during transportation and storage. It should be stored indoor. When stored outdoor, it should be placed at high place and covered with waterproof cloth.



BEMT-0001-CN-201407

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