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公司简介

Company profile

驻马店恒瑞高温节能材料有限公司位于素有“豫州之腹地，天下之最中”的驻马店市，是一家在高温材料产业内多元化发展的高新技术企业。恒瑞高温是保温隔热产品的专业制造公司，致力于为社会提供优质的节能产品与服务，产品包括：硅酸铝陶瓷纤维板/毯/模块/棉/毡/纸，硅酸铝陶瓷纤维异形件、高温胶泥、纤维表面涂料及硬化剂等，同时提供专业的保温隔热工程技术和施工服务。

恒瑞高温拥有先进的轻质隔热产品的制造工艺和技术。公司年产1050陶纤系列产品、1260陶纤系列产品、1350陶纤系列产品、1430陶纤系列产品、1700多晶纤维系列产品6000多吨。产品广泛应用于冶金、玻璃、石化、机械、电子电器、航天等行业的热工设备、工业窑炉、隔热保温工程、防火工程等。

基于不懈的技术革新和领先的品质管理，经过几年的努力，恒瑞品牌以其极高的性价比与良好的售后服务，成为高温材料的理想品牌。恒瑞高温通过了GB/T1900-2008/ISO9001:2008标准管理体系认证，产品以上乘的质量覆盖全国各地市场，并远销韩国、泰国、印度、澳大利亚等国家和地区。

公司以质量第一、诚信为本、科技至上为经营理念，热烈欢迎国内外各界朋友莅临参观指导，真诚合作，共同发展。

Zhumadian Hengrui High-temperature Energy-saving Material Co., Ltd is located in Zhumadian city, Henan province, is a high-tech company which has a diversified development in the industry of high-temperature material. We mainly produce insulating products which aims at providing excellent products and services for society, including ceramic fiber board/ blanket/bulk/ modules/ paper, Ceramic Fiber Vacuum Formed Shapes, high-temperature binder,etc. We also offer specific engineering techniques of insulation and engineering services.

Hengrui has advanced manufacturing techniques and technologies of lightweight insulating products. We can produce over 6000 tons products per year include ceramic fiber series products of 1050, 1260, 1350, 1430, and PMF products of 1600 degrees. These products were used in the industries of metallurgy, glass, petrochemicals, machinery, electronics, and spaceflight for insulation and fireproofing, etc.

Through several years' efforts, Hengrui became a perfect brand for high cost performance and good after-sales service on the basis of unremitting innovation of technology and advanced management of quality. Our company was authenticated by Standard System Management System of GB/T1900-2008/ISO9001:2008. Our products covered the markets all over China for superior quality, and the products are also sold in Korea, India, Australia, Thailand, etc.

We believe in the business philosophy of quality first, integrity-oriented, technology-oriented. All of us in the company welcome friends all over the world come here for visit and guidance, and we also hope we can have sincere cooperation and common development with each other.



恒瑞陶瓷纤维散棉
Hengrui Ceramic Fiber Bulk

产品说明 Descriptions

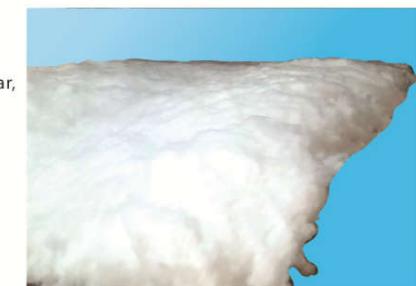
恒瑞陶瓷纤维散棉是由高纯度的原料经高温熔融，采用喷吹或甩丝工艺制成的高温耐火纤维。该纤维具有良好的化学稳定性，并能抵抗多数侵蚀性化学物质的侵蚀。制成品即使被油、水或蒸汽浸湿，其耐温及隔热等物理性能仍不会变。纤维棉可进一步加工成纤维毯、毡、板、纸、布、绳等制品。恒瑞陶瓷纤维棉是一种高效绝热材料，具有重量轻、抗氧化、导热率低、柔软性好、耐腐蚀、热容小及隔音等特点。

Hengrui ceramic fiber bulk is produced by melting the very pure raw materials in high temperature, take use of spun or blowing method with characteristics of stable chemical performance, resistance to the erosion of most chemicals. The physical property like refractory and insulation keep same when meet with oil, water or steam. Ceramic fiber blanket/ felt/ board/ paper/ cloth/ rope and other ceramic fiber products can be produced by bulk through further processing. Hengrui ceramic fiber bulk is a kind of insulating materials which has these characteristics, such as lightweight, anti-oxidation, low thermal conductivity, softness, anti-corrosion, low heat capacity, sound insulation and so on.



产品应用 Applications

- 高温环境下填充密封及隔热（窑车、管道、窑门等）
Filling sealing and insulation at high temperatures(kiln car, pipeline, kiln door, etc.)
- 纤维工业复合材料（摩擦片等）
Composite material in fiber industry(friction plate, etc.)
- 隔热浇注料和结合剂的纤维增强材料
Expansion joint filler material for firebricks and castable.
- 短期隔热修补的填充材料
Filler for short time insulation.
- 狹小复杂空间及边角的隔热填充材料
Thermal insulation filling material for small corner.
- 陶瓷纤维深加工制品的原料
Raw materials for ceramic fiber further processing products.



产品技术参数 Technical Index

陶瓷纤维散棉(Bulk)	HR1050	HR1260ST	HR1260HP	HR1350HA	HR1430ZR	HR1600PMF
分类温度 (°C) Classification Temperature	1050	1260	1260	1350	1430	1600
熔点 (°C) Melting Point	1750	1750	1750	1750	1750	-
平均纤维直径(um)Fiber Average Diameter	2.6	2.6	2.6	2.3	2.5	1.95
纤维比重 (g/m³) Density	2.7	2.7	2.7	2.7	2.7	3.1
化学组成 (%) Chemical Composition	Al₂O₃ Al₂O₃+SiO₂ ZrO₂ Other	42-44 ≥97.0 - ≤3.0	45-46 ≥97.0 - ≤3.0	47-49 ≥97.0 - ≤3.0	52-55 ≥97.0 - ≤3.0	38-42 ≥82 15-17 ≤2.0

*注：产品的技术数据是由所采用的测试标准得出的平均值，会在一定范围内波动，该数据不代表产品的质量保证数据。如需详细信息请致电恒瑞高温技术服务部。（The result is average value not guarantee value, fluctuate within the standard value, for more details about our products properties or technical support, please contact Hengrui Technical Department）。

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恒瑞陶瓷纤维板/憎水型陶瓷纤维板/无机型陶瓷纤维板 Hengrui Ceramic Fiber Board

产品说明 Descriptions

恒瑞陶瓷纤维板是采用恒瑞陶瓷纤维散棉加入少量结合剂，用真空成型法制成，即使在高温加热后也保持良好的机械强度，有1050℃、1260℃、1350℃、1430℃、1600℃、1700℃几个等级。恒瑞纤维真空成型品强度高，抗气流冲刷，可直接作为热面炉衬材料。

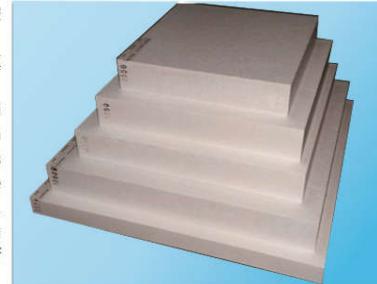
Hengrui ceramic fiber board is made by using Hengrui ceramic fiber bulk and a little binding agent through vacuum forming. Hengrui ceramic fiber board can maintain its mechanical strength after high-temperature heating, and the board includes 6 levels: 1050°C, 1260°C, 1350°C, 1430°C, 1600°C, and 1700°C. Hengrui ceramic fiber board can resist the scouring of airflow for its high strength, so it can be the material of internal linings.

恒瑞憎水型陶瓷纤维板在需要防水的施工过程和高水分的工况条件下，有良好的使用性能。经过特定的工艺处理，恒瑞陶瓷纤维板具有良好的憎水性能。

The usability of hydrophobic ceramic fiber board is really good under the condition of high moisture. Hengrui ceramic fiber board has excellent hydrophobicity after processing by specific techniques.

恒瑞无机型陶瓷纤维板采用恒瑞陶瓷纤维加无机结合剂，采用真空成型法制成，不含有机物，在高温工况下使用时无污染气体挥发。

Hengrui inorganic ceramic fiber board is made by using Hengrui ceramic fiber bulk and inorganic binding agent through vacuum forming. When using the board under the circumstance of high temperature, the pollution gas will not be generated.



产品特性 Characteristics

- 尺寸精确，平整度好
Precise size and smooth surface.
- 易切割安装，施工方便
Easy to cut and install, and convenient to construct.
- 杂质含量低，容重、厚度均匀
Low impurity content; identical bulk density and thickness.
- 优越的机械强度和结构强度
Excellent mechanical and structural strength.
- 低导热，低收缩
Low thermal conductivity and low shrinkage.
- 抗气流冲刷
Ability to resist the scouring of airflow.



恒瑞陶瓷纤维板/憎水型陶瓷纤维板/无机型陶瓷纤维板 Hengrui Ceramic Fiber Board

产品应用 Applications

- 各种工业窑炉的背衬保温。
Back-up lining of high-temperature industry furnaces.
- 陶瓷窑炉，机械及冶金热处理炉及其它工业炉的热面炉衬材料。
Hot-face lining of ceramic kilns, heat-treatment furnaces and other industrial kilns.
- 电炉及铝工业热面背衬隔热材料
Back-up and hot-face insulation materials for furnaces or aluminum industry.
- 冶金、机械、化工、光电、环保等行业的热工设备的隔热材料
Insulation material of Metallurgy, Machinery, Chemical, Optical, and environmental protection industries.

产品技术参数 Technical Index

陶瓷纤维板 Ceramic fiber board	HR1050	HR1260ST	HR1260HP	HR1350HA	HR1430ZR	HR1600PMF	HR1700PMF	
分类温度(°C)Classification Temperature	1050	1260	1260	1350	1430	1600	1700	
密度 (KG/M ³) Density	250-350	250-350	250-350	320-400	320-400	400-550	400-550	
线性收缩 (%) (24h) Linear shrinkage	<2.0(900°C)	≤2.0(1000°C)	≤2.0(1000°C)	≤2.5(1100°C)	≤3.0(1200°C)	≤1.5(1400°C)	≤1.5(1500°C)	
抗折强度 (MPa) Flexural strength	≥0.5	≥0.5	≥0.5	≥0.5	≥0.5	≥0.7	≥0.7	
耐 減 % Lol	≤5	≤5	≤5	≤5	≤5	≤6	≤6	
导热系数(W/m.k) Thermal conductivity rate	400°C 600°C	0.08 0.11	0.084 0.128	0.084 0.128	0.084 0.125	- 0.16	- 0.16	
化学组成 (%) Chemical Composition	Al ₂ O ₃ Al ₂ O ₃ +SiO ₂ ZrO ₂ Other	42-44 ≥97.0 - ≤3	45-46 ≥97 - ≤3	47-49 ≥97 - ≤3	52-55 ≥97 - ≤3	38-42 ≥82 15-17 ≤3	≥72 ≥98 - ≤1	≥75 ≥98 - ≤1

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产品规格及包装 Standard Size and Package

- 1200*1000*(G-100) mm, 1000*600*(G-100) mm, 1100*700*(G-100) mm, 900*600*(G-100) mm, 1200*500*(G-100) mm,
- 其它规格可依客户要求制作(Other specifications according to customer's inquires).
- 密度(density) : 250,280,300,320,350,400,450,500,550KG/M³
- 包装方式(package) : 纸箱加防水膜或码于托盘上缠绕膜包裹并套上纸箱 (carton + pallet) 。



恒瑞陶瓷纤维毡（硬毡/半硬板） Hengrui Ceramic Fiber Felt

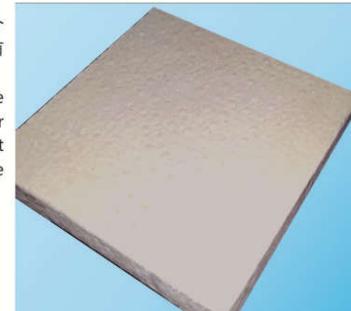
产品说明 Descriptions

恒瑞陶瓷纤维毡是采用湿法真空成型工艺加工而成，该类产品的强度介于陶瓷纤维毯和陶瓷纤维板之间，密度在220KG/M³左右，适用于对产品有柔韧性要求的高温领域。

Hengrui ceramic fiber felt is made by wet vacuum forming. The strength of fiber felt is higher than ceramic fiber blanket and lower than ceramic fiber board, and the density is about 220kg/m³, so it can be used in the high-temperature field which has flexible requirements to products.

产品特性 Characteristics

- 柔韧性好、使用寿命长
Good flexibility, fine ductile, and long service life.
- 低热容量，低热导率；非脆性材质，韧性好
Low heat capacity and thermal conductivity.
- 易切割安装，施工方便
Easy to cut and install, and convenient to construct.
- 优良的抗风蚀性能
Excellent performance of anti-corrosion.
- 连续化生产，纤维分布均匀，性能稳定
Well-distributed fiber and stable performance for continuous production.
- 优良的吸音降噪性能
Fine specification of sound absorption and noise reduction.



产品应用 Applications

- 钢铁行业：膨胀缝，背衬隔热、隔热片和铸模隔热
Steel industry: the insulation of lining and mold.
- 有色金属行业：中间包和流槽盖，用于浇筑铜和含铜合金；高温垫片
Nonferrous industry: the pouring of copper and copper-bearing alloy.
- 陶瓷行业：轻质窑车结构与窑炉的热面衬体
Ceramic industry: internal lining of lightweight kiln car and furnace.
- 玻璃行业：钢化炉炉衬隔热耐火材料
Glass Industry: Tempering Furnace insulating refractory.
- 窑炉建筑：热面耐火材料（替代纤维毯），重质耐火材料的背衬，膨胀缝
Kiln construction: refractory material of internal lining (instead of fiber blanket).
- 轻工业：工业与家用锅炉燃烧室的内衬
Light industry: Industrial and domestic boilers combustion liner
- 石化行业：高温加热炉内衬的热面材料
Petrochemical industry: the lining of high-temperature heating furnace.



恒瑞陶瓷纤维毡（硬毡/半硬板） Hengrui Ceramic Fiber Felt

产品技术参数 Technical Index

Ceramic Fiber Felt	HR1050	HR1260
分类温度(°C) Classification Temperature	1050	1260
密度 (KG/M ³) Density	210-230	210-230
线性收缩 (%) Liner Shrinkage	(700°CX12H)<1	(900°CX12H)<1
酌减% Lol	≤5	≤5
导热系数(W/M.K) Thermal Conductivity Rate	400°C 800°C 1000°C	0.091 0.135 0.185
化学组成 (%) Chemical Composition	AL ₂ O ₃ AL ₂ O ₃ +SIO ₂ Other	39-42 ≥97.0 ≤3.0
	43-45 ≥97.0 ≤3.0	0.091 0.134 0.185

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产品规格及包装 Standard Size and Package

- 600*400* (20-50) mm.
- 其它规格可依客户要求制作(Other specifications according to customer's inquires).
- 密度 (Density) : 210-230 KG/M³
- 包装方式(Package) : 纸箱防水膜(carton with waterproof membrane)

产品说明 Descriptions

恒瑞陶瓷纤维毯采用特制陶瓷纤维长丝经特别的双面针刺工艺成型。经过双面针刺工艺后大大提高了纤维的交织程度、抗分层性能、抗拉强度和表面的平整度。恒瑞纤维毯不含任何有机结合剂，具有良好的化学稳定性并能抵抗多数侵蚀性化学物质的侵蚀。该系列产品即使被油、水或蒸汽浸湿，其保温耐火等物理性能仍不会改变。

Hengrui ceramic fiber blanket is made of special ceramic fiber through double needle-punching processing. The double needle-punching techniques improve the degree of fiber intertexture, and the performance of delamination resistance as well as tensile strength. The blanket does not contain any bonding agent and with the characteristics of stable chemical performance, resistance to the erosion of most chemicals, The physical property like refractory and insulation keep same when meet with oil, water or steam.



产品特性 characteristics

- 优良的化学稳定性、不可燃
Excellent chemical stability, nonflammable.
- 低导热率，优良的隔热性能
Low thermal conductivity and good insulation.
- 优良的抗拉强度和回弹性
Good tensile strength and springiness.
- 优良的隔音和抗热震性能
Excellent performance of soundproofing Good obstructing and resistance to heat-shock.

产品应用 Applications

- 各种工业窑炉衬
Internal and external lining for industry furnace.
- 管道内部隔热及外部保温
Internal and external insulation for Pipeline.
- 电器，核电及航空领域保温隔热
Insulation for home application, nuclear power and aerospace.
- 炉门、高温法兰连接密封
Joint sealing and flange insulation.
- 膨胀填塞
Expansion seals/pipe coverings.



产品技术参数 Technical Index

陶瓷纤维毯 Ceramic Fiber Blanket		Hr1050	HR1260ST	HR1260HP	HR1350HA	HR1430Zr	HR1600PMF
分类温度 (°C) Classification Temperature		1050	1260	1260	1350	1430	1600
体积密度 (KG/m³) Density		96-160	96-160	96-160	96-160	96-160	96-160
线性收缩% (24h,128 Kg/M³) Liner Shrinkage		≤2.6(900°C)	≤2.6(1000°C)	≤2.6(1100°C)	≤2.5(1200°C)	≤3(1250°C)	≤1.5(1500°C)
抗拉强度Kpa(128Kg/M³) Tensile Strength		40	80	80	80	80	100
导热系数 (W/m.k) 128 Kg/M³ Thermal Conductivity Rate	400°C	0.08	0.08	0.08	0.08	0.08	-
	800°C	0.16	0.16	0.16	0.16	0.16	0.16
	1000°C	-	0.23	0.23	0.23	-	-
化学组成 (%) Chemical Composition	Al₂O₃	42-44	45-46	47-49	52-55	38-42	72-75
	Al₂O₃ + SiO₂	≥99.0	≥99.0	≥99.0	≥99.0	≥99.0	≥99.0
	ZrO₃	-	-	-	-	15-17	-
Other	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0

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产品规格及包装 Standard Size and Package

长度 (Length) mm	宽度(W/dth)mm	厚度(Thickness)mm
7200/15000/20000	610(1220)	6
7200/15000	610(1220)	10
7200/15000	610(1220)	12.5
7200/10000	610(1220)	15
7200	610(1220)	20
7200	610(1220)	25
5000	610(1220)	30
4500	610(1220)	40
3600	610(1220)	50

其它尺寸可依照客户要求制作 (Other specifications according to customer's inquires).

包装方式 (Package)

编织袋加防水膜、纸箱包装(Bags with waterproof membrane or carton).

产品说明 Descriptions

恒瑞陶瓷纤维模块是由经验丰富的技工将恒瑞陶瓷纤维毯经折叠或切块层叠，经专业设备加工而成的。具有尺寸精准，表面平整等优点，可应用于各种热工设备的炉衬，产品质量可靠，安装快捷，隔热性能优越。

Hengrui ceramic fiber module is made of Hengrui ceramic fiber blanket which is folded or cut by experienced professional technicians. We use special equipment for producing module to confirm the precise dimensions and keep smooth surface of module, and then be applied to the lining of various thermal equipment. The products have some characteristics such as reliable quality, quick installation, superior insulation properties.

恒瑞纤维模块锚固件系统采用加强H型锚固件，H型锚固件具有较大的强度，离冷面更近，锚固件在高温下承受温度较低，保证其高温强度。固定杆采用优质耐热钢与同质冲压蝶形片焊接一体，两根圆形固定杆预埋于模块之中，增大了承重面积，确保锚固件系统牢固。

Hengrui ceramic fiber module use the enhanced H-type anchors, which have greater strength, closer to the cold face. It can make sure the strength in high temperature. The fixed link was welding together with the high quality heat-resistance steel and stamping butterfly plate. The two round fixed link were embedded in the module system, enlarged the bearing area and ensured the firm of anchor system.



产品特点 Characteristics

- 低容重，低导热
Low bulk density, low thermal conductivity.
- 抗热震，抗气流冲刷
Resistance to heat-shock, ability to resist the scouring of airflow.
- 机械强度高，内装锚固件，安全性能好
Excellent mechanical strength, built-in anchor, safety performance.
- 安装简便，安装后炉衬形成一个无缝隙整体，保温隔热效果好
Easy to install, after installing the lining form a seamless space, good insulation effect.



产品应用 Applications

- 陶瓷新行业：隧道窑、梭式窑、辊道窑
Ceramic Industry: Tunnel kiln, shuttle kiln, roller kiln.
- 石化行业：常压炉，转化炉，焦化炉，裂解炉，加热炉，烟道等
Petrochemical Industry: Atmospheric furnace, transforming furnace, coking furnace, cracking furnace, flue etc.
- 钢铁行业：钢包盖，加热炉，退火炉，罩式炉，步进炉，热风管道及管道等
Iron and Steel Industry: Ladle cover, annealing furnace, rotary furnace, bell furnace, walking beam furnace, hot air and flue pipes etc.
- 环保节能行业：废弃物焚烧炉，RTO废气处理炉,SCR环保催化炉等。
Green energy industry: Waste incinerators, RTO exhaust treatment furnace, SCR environmental catalytic stove etc.

产品技术参数 Technical Index

	Ceramic Fiber Module	HR1050	HR1260ST	HR1260HP	HR1350HA	HR1430Zr	HR1600PMF
分类温度 (°C) Classification Temperature	1050	1260	1260	1350	1430	1600	
线性收缩(%)192kg/m ³ /at()°C/24h Linear Shrinkage Rate	≤2.0(850°C)	≤2.0(1000°C)	≤2.0(1050°C)	≤2.0(1100°C)	≤2.5(1200°C)	≤1.5(1450°C)	
体积密度 (KG/m ³) Density	172-240	172-240	172-240	172-240	172-240	172-240	
导热系数(W/m.k) Thermal Conductivity Rate	400°C	0.08	0.08	0.08	0.08	0.08	-
	600°C	0.15	0.15	0.15	0.12	0.12	0.12
	800°C	0.22	0.20	0.19	0.18	0.16	0.15
	1000°C	-	-	0.22	0.12	0.19	0.18
化学组成 (%) Chemical Composition	Al ₂ O ₃	42-44	45-46	47-49	52-55	38-42	72-75
	Al ₂ O ₃ +SiO ₂	≥99.0	≥99.0	≥99.0	≥99.0	≥99.0	≥99.0
	ZrO ₃	-	-	-	-	15-17	-
	Other	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0

注：产品的技术数据是由所采用的测试标准得出的平均值，会在一定范围内波动，该数据不代表产品的质量保证数据。如需详细信息请致电恒瑞高温技术服务部。（The result is average value not guarantee value, fluctuate within the standard value, for more details about our products properties or technical support, please contact Hengrui Technical Department）。

产品规格及包装 Standard Size and Package

- (300-600)*300*(150-300)mm，其它规格可依照客户要求制作(Other specifications according to customer's inquiries)。
- 容重 (Density) :172KG/M³、192KG/M³、220KG/M³、240KG/M³
- 包装 (Package) : 纸箱或托盘包装 (Carton+Pallet)。
- 安装 (Installation) : 恒瑞高温可提供专业的施工指导与安装服务 (Hengrui also provide professional construction guidance and installation services)。

产品说明 Descriptions

恒瑞锚固件是将陶瓷纤维、轻质隔热砖、不定型耐火材料等轻质耐材与窑炉金属壁板相连接、固定的结构件。根据工业窑炉结构、炉膛温度、环境气氛应选用不同结构和不同材质的锚固件。根据锚固件在不同的设备上所使用的环境及状态，可将其分为括模块专用铁式锚固件、菱形锚固件、蝶形锚固件、空吊式锚固件、拐角式锚固件；折叠块用人字架锚固件；快速卡片、旋转卡片、穿筋、螺杆螺母、穿筋、U型穿钉、V型钉等。

Hengrui anchors are structural parts which joint and immobilize metal panels of kilns and lightweight refractory materials like ceramic fiber, lightweight refractory brick, unshaped refractory material, etc. According to different structures of industrial furnaces, different combustor temperature, environment and atmosphere, various structures and textures anchors should be choose. Anchors can be divided into diamond anchor, butterfly anchor, suspending anchor, corner anchor, angel iron anchor, U-form penetration nail, screw, instant card, rotation card, penetration rod, V-form nut, etc.



产品特点 Characteristics

- 适应温度范围广：800°C-1400°C
Wide temperature range: 800°C-1400°C.
- 锚固件形式多样：一字型、十字型、L型等
Various shapes: A font, Criss-cross, L-type, etc.
- 锚固结构合理，锚固牢固、可靠
Reasonable structure, secure and reliable.
- 安装简便、快捷
Easy to install.



产品应用 Applications

- 陶瓷纤维模块的固定
Immobilizing the ceramic fiber module
- 各种耐火砖、浇注料的固定
Immobilizing different kinds of refractory bricks.
- 纤维喷涂料的锚固固定
Fixed ceramic fiber spray paint and casting materials
- 各种高温板材、高温装置的固定连接
Immobilizing various kinds of high-temperature materials and high-temperature equipment.



产品技术标准 Technical Index

- 可依据客户要求来图来样加工各种锚固件。材质有201、304、310等。
Anchors are made of SS201, SS304, SS310, etc. We can also make all kinds of anchors based on customer requirements.

产品说明 Descriptions

恒瑞陶瓷纤维异型制品采用优质陶瓷纤维棉作为原料，采用真空成型工艺制成。开发此产品的目的在于把陶瓷纤维的优越高温性能和刚性支撑强度结合在一起，以满足工业领域的特殊保温隔热。每种制品根据其形状和尺寸需要制作专用模具，依据不同使用要求混配不同组分，以满足客户使用要求；所有异型产品在适用温度范围内都存在较低的收缩，并保持其高隔热、轻质和抗冲击的特点；未烧灼的材料很容易被切割或加工。在使用期间，产品的抗磨损和抗剥落性能良好，且不被大多数熔融金属所侵蚀；根据产品使用的环境气氛的不同，真空成型制品可以采用表面固化剂或耐火泥进行表层涂抹，以提高其耐腐蚀性和抗冲刷性。

Hengrui ceramic fiber vacuum formed shapes are made of high-quality ceramic fiber bulk by adopting the technique of vacuum forming. The purpose of making these products is to meet the special requirements of insulation in industrial field. Various products need to have specialized molds according to their unique shape and size for meeting customers' requirements. All formed shapes have a lower shrinkage within applicable temperature, and can maintain the characteristics such as insulation, lightweight, etc. During the period of using the products, they won't be eroded by lots of molten metal.



产品特性 Characteristics

- 可被制作成各种复杂的形状，尺寸精确度高
Can be made into various of complex shapes, high dimension accuracy.
- 可直接接触火焰，高温无异味及无气体挥发
Contact with flame directly, no odor and volatile gases at high temperatures.
- 机械强度高，抗气流冲刷
High mechanical strength, resistance to gas flow.
- 低收缩，低热导率
Low shrinkage, low thermal conductivity.
- 优良的高温强度和热稳定性
Excellent strength in high temperature and thermal stability.



产品应用 Application

- 工业窑炉观察孔
Observation of industrial furnace.
- 工业窑炉烧嘴、炉门
Industrial furnace burner, door.
- 铝制品工业中的堵头和流槽
Plug and launder of Aluminum Products Industry.
- 高温实验炉炉膛内衬耐火材料
Lining refractory of high-temperature laboratory furnace.
- 民用和工业加热装置的热辐射隔热
Thermal insulation of domestic and industrial heating devices
- 有色金属熔槽垫衬、铸造冒口
Non-ferrous metal melting tank padded, casting riser.
- 辊式炉保温砖
Roller furnace insulation bricks





恒瑞陶瓷纤维异型制品 Hengrui Ceramic Fiber Vacuum Formed Shapes

产品技术参数 Technical Index

陶瓷纤维异型制品 Vacuum Formed Shapes	HR1260	HR1350	HR1430	HR1600
分类温度 (°C) Classification Temperature	1260	1350	1430	1600
密度 (KG/m³) Density	280-400	280-400	280-400	350-550
线性收缩(%)320kg/m3/at(°C/24h Linear Shrinkage Rate	≤1.5 (900)	≤1.5 (1100)	≤2.0 (1200)	≤1.2 (1500)
抗折强度 (mpa) Flexural strength	≥0.6	≥0.6	≥0.6	≥0.6
导热系数(W/m.k) Thermal Conductivity Rate	400°C	0.08	0.08	-
	600°C	0.15	0.15	0.14
	800°C	0.20	0.19	0.18
	1000°C	-	-	0.21
化学组成 (%) Chemical Composition	Al ₂ O ₃	44-46	52-55	35-38
	Al ₂ O ₃ +SiO ₂	≥99.0	≥99.0	≥99.0
	ZrO ₃	-	-	15-17
	Other	≤1.0	≤1.0	≤1.0

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产品规格和包装 Standard Size and Package

• 产品规格(Standard Size) : 来图来样加工(processing with customer's samples or drawings)

包装形式(Package):纸箱或木箱(Cartons or wooden)



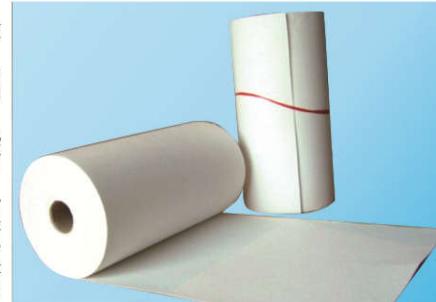
恒瑞陶瓷纤维纸/垫片 Hengrui Ceramic Fiber Paper/ Gasket

产品说明 Descriptions

恒瑞陶瓷纤维纸是以精选恒瑞硅酸铝陶瓷纤维棉为主要原料，加入其它结合剂，采用湿法成型工艺制成。

恒瑞陶瓷纤维纸厚度均匀，表面平整，柔韧性好，可被剪切或冲压成各种规格的深加工产品。恒瑞陶瓷纤维纸及其深加工制品具有良好的化学稳定性并能抵抗多数侵蚀性化学物质的侵蚀。该系列产品即使被油，水或蒸汽浸湿，干燥后，其耐温及隔热等物理性能不会变。此外恒瑞陶瓷纤维纸及其深加工制品具有优良的介电强度。高温时有机结合剂会被完全烧掉。

Hengrui ceramic fiber paper/gasket is made by special ceramic fiber and other binders through wet forming process, with the characteristics of stable chemical performance, resistance to the erosion of most chemicals. The physical property like refractory and insulation keep same when meet with oil, water or steam. The paper have smooth surface and good flexibility, which can be cut or punched into a variety of deep-processed products. Besides, Hengrui ceramic fiber paper and deep-processed products has excellent dielectric strength; the binder will be burned out when fired.



产品特性 Characteristics

- 低热容量；低热导率
Excellent thermal insulation performance.
- 无石棉，渣球含量极低
Asbestos free and low shot content.
- 良好的电绝缘性能
Fine electric insulation performance.
- 良好的机械加工性能
Excellent machining performance.
- 重量轻，耐侵蚀，高柔韧性
Light weight, corrosion resistance and high flexibility.



产品应用 Application

- 各种工业炉及钢水包、铸桶、浸入式水口的高温隔热材料
Thermal insulation materials of industrial furnaces, steel ladles, and foundry ladles.
- 工业电炉的电绝缘及隔热材料
Electric insulation and thermal insulation materials of industrial furnaces.
- 炉门及炉体膨胀缝密封材料
Door and sealing expansion joints of industrial furnaces.
- 微晶玻璃与热融（弯）玻璃的脱模
Crystallite glass and hot melt (curved) glass stripping.
- 汽车消音器的消声隔热材料
Sound absorption and thermal insulation materials of mobile mufflers.
- 排气管的保温材料、隔离防烧结材料等
Exhaust pipe insulation, isolation anti-sintering materials.
- 家用电器隔热绝缘材料等
Insulation material for home application.



恒瑞陶瓷纤维纸/垫片 Hengrui Ceramic Fiber Paper/ Gasket

产品技术参数 Technical Index

陶瓷纤维纸Ceramic Fiber Paper	HR1260	HR1350	HR1430
分类温度 (°C) Classification Temperature	1260	1350	1430
密度 (KG/M ³) Density	190-210	190-210	190-210
线性收缩(%) 200kg/m ³ /at(0)°C/24h Linear Shrinkage Rate	≤3.5(1000°C)	≤3.5(1100°C)	≤3.2(1200°C)
有机物含量(%) Organic Content	≤10	≤8	≤7
导热系数(W/m.k) Thermal Conductivity Rate	600°C	0.09	0.09
	800°C	0.16	0.15
	1000°C	-	0.20
化学组成 (%) Chemical Composition	Al ₂ O ₃	47-49	52-55
	Al ₂ O ₃ +SiO ₂	≥99.0	≥99.0
	ZrO ₃	-	15-17
	Other	≤1.0	≤1.0

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产品规格和包装 Standard Size and Package

产品规格 (Standard Size)

长度 (Length) mm	宽度(Width)mm	厚度(Thickness)mm
60000	610(1220)	1
30000	610(1220)	2
20000	610(1220)	3
15000	610(1220)	4
12000	610(1220)	5
10000	610(1220)	6

其它尺寸可依照客户要求制作 (Other specifications according to customer's inquiries)。

包装形式 (Package)

• 包装形式 (Package) : 纸箱+防水膜 (carton with water-proof membrane)



恒瑞陶瓷纤维纺织品 Hengrui Ceramic Fiber Textile

产品说明 Descriptions

恒瑞陶瓷纤维纺织品是采用陶瓷纤维纱线和增强丝（玻纤或合金钢丝）纺织而成的陶瓷纤维布、带、绳等产品。产品强度高、柔韧性好、可加工性强，不仅具备了高温隔热性能，兼有普通纺织品的柔韧性。

Hengrui ceramic fiber textile includes ceramic fiber clothes, belts, ropes, etc. which is made of ceramic fiber yarns and fiberglass or alloy steel. The characteristics of these products as follows: high strength, good toughness, and strong machinability. The products are not only have the performance of thermal insulation, but also have the tenacity of common textile.



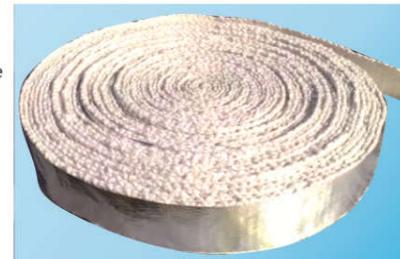
产品特性 Characteristics

- 低导热率, 优良的隔热性能
Low thermal conductivity, excellent thermal insulation performance.
- 优良的抗拉性能
Excellent tensile properties.
- 优良的抗酸、油、水汽的腐蚀能力
Resistance to the acid, oil and other erosions.
- 优良的机械强度及抗热冲击性能
Excellent mechanical strength and resistance to heat-shock.



产品应用 Application

- 工业炉幕帘、特种作业劳保服装材料
Curtains of industrial furnaces and special operative protective cloth.
- 高温管道、容器的绝热
Heat pipes, insulated containers.
- 电缆或燃料管道保护
Cable or fuel pipeline protection.
- 法兰连接及炉门密封
Door sealing flange connection.
- 柔性膨胀节连接
Flexible expansion joint connection





恒瑞陶瓷纤维纺织品 Hengrui Ceramic Fiber Textile

产品分类及规格 Specifications and classification

分类 (Item)	耐热钢丝增强型及玻璃纤维增强型 (Steel Wire reinforced and glass fiber reinforced)
陶瓷纤维布 (Ceramic Fiber Cloth)	宽度 (Width):1000/1500 (mm); 厚度 (Thickness):1.5/2/3/4/5/6 (mm)
陶瓷纤维带 (Ceramic Fiber Tape)	宽度 (Width):10-150 (mm); 厚度 (Thickness):2/3/4/5/6 (mm)
陶瓷纤维扭绳 (Ceramic Fiber Twist Rope)	直径 (Diameter): 5/6/8/10/12/14/16/18/20/25/30/35/40/50 (mm)
陶瓷纤维圆绳 (Ceramic Fiber Round Rope)	直径 (Diameter): 5/6/8/10/12/14/16/18/20/25/30/35/40/50 (mm)
陶瓷纤维方绳 (Ceramic Fiber Square Rope)	规格 (Size):6*6.8*8,10*10.12*12,15*15,16*16,18*18,20*20, 25*25,30*30,35*35,40*40,45*45,50*50,60*60 (mm)
铝箔纤维布 (Aluminum foil fiber cloth)	宽度 (Width):1000/1500 (mm); 厚度 (Thickness):1.5/2/3/4/5/6 (mm)

其它尺寸可依照客户要求制作 (Other specifications according to customers' inquiries).

产品技术参数 Technical Index

分类 (Item)	玻璃纤维增强型陶瓷纤维系列 (Ceramic Fiber Reinforced By Fiberglass)	耐热钢丝增强型陶瓷纤维系列 (Ceramic Fiber Reinforced By SS Wire)
工作温度(Work Temperature)	650°C	1100°C
熔点(Melting Point)	1750°C	1750°C
容重(Density)	550-600kg/m³	550-600kg/m³
导热系数(w/m.k) Thermal Conductivity Rate	0.16(at 750°C)	0.16 (at 750°C)
烧失(%)(Lol)	10-16	10-16
包装(Package)	纸箱或编织袋 (Cartons or bags)	纸箱或编织袋 (Cartons or bags)

注：产品的技术数据是由所采用的测试标准得出的平均值，会在一定范围内波动，该数据不代表产品的质量保证数据。如需详细信息请致电恒瑞高温技术服务部。

(The result is average value not guarantee value, fluctuate within the standard value, for more details about our products properties or technical support, please contact Hengrui Technical Department .)



恒瑞无石棉高温硅酸钙制品 Hengrui Non-Asbestos Refractory Calcium Silicate Products

产品说明 Descriptions

恒瑞无石棉高温硅酸钙制品是一种新型的环保节能材料，具有良好的防火保温效果。主要基材是SiO₂和CaO，以天然纤维为增强材料。根据不同需要可以加工成650°C和1000°C的板材和管壳。

Hengrui Non-Asbestos Refractory Calcium Silicate Products is a new type of environmentally friendly energy-saving materials, has a good fire insulation effect. The main substrate is SiO₂ and CaO powder, reinforced material are natural fiber. It can be processed into a plate and shell ranging from 650°C to 1000°C according to different needs.

产品特性 Characteristics

- 导热系数低，绝热性能好。
Low thermal conductivity, good thermal insulation.
- 收缩小，热稳定性好，耐酸碱，不易被腐蚀。
Low heat shrinkage, good thermal stability, resistance to most of the erosion.
- 可接触水汽，干燥后性能不变。
Water bearable, keep constant performance after drying.
- 重量轻，强度好，施工安装方便。
Light weight, high compressive strength, easy installation.
- 环保安全，无毒害，不含石棉。
Safely in use and non-toxic, no poisonous substance, free of asbestos.



产品应用 Application

• 主要应用于电力、冶金、石化、铝工业等热工设备和管道的背衬隔热材料。
Mainly used in electric power, metallurgy, petrochemical, aluminum and other industrial thermal equipment and backing insulation for pipeline.

产品技术参数 Technical Index

Calcium Silicate Products高温硅酸钙制品	HR-CS650	HR-CS1000
密度Density (KG/M³)	170/220/280	170/220/240
抗压强度Compressive strength (MPa)	≥0.35	≥0.35
导热系数(均温70°C) Thermal conductivity (average temperature 70 °C) W/m.k	0.052	0.048
最高使用温度Maximum temperature (°C)	650	1000
线性收缩Linear shrinkage (%)	≤2 (650,3hrs)	≤2 (1000,3hrs)

根据客户的要求，可加工成弧形板及管壳。
It can be processed into a shell and tube or curved panels according to customer requirements.

注：产品的技术数据是由所采用的测试标准得出的平均值，会在一定范围内波动，该数据不代表产品的质量保证数据。如需详细信息请致电恒瑞高温技术服务部。(The result is average value not guarantee value, fluctuate within the standard value, for more details about our products properties or technical support, please contact Hengrui Technical Department .)

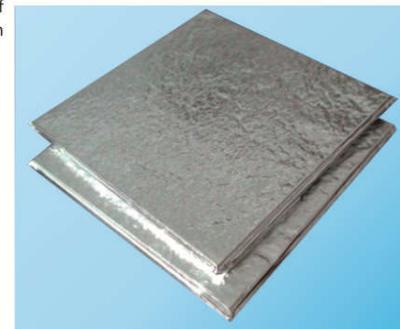
产品说明 Descriptions

恒瑞纳米微孔隔热制品是基于纳米微孔原理，特殊的无机耐火粉末，经特殊工艺被加工成各种形态的产品，以应用热工设备的不同部位。纳米微孔隔热材料的导热系数比静止的空气还要小，在高温环境下，其隔热性能比传统纤维类的保温材料要好3-4倍，是目前所有耐火保温材料中隔热性能最好的材料。在某些有严格的重量和空间限制的高温设备上，纳米微孔隔热材料是最佳甚至是唯一的选择。此种材料的诞生，解决了许多世界性的隔热难题。

Hengrui Nano-porous insulation products is based on the principle of nano-porous, with a special process, these special powder is processed into various forms of products to be applied to different parts of thermal equipment. The Thermal conductivity of Nano-porous insulating materials are smaller than still air, its thermal insulation is 3-4 times better than traditional fiber insulation materials under high temperature working conditions, its the best insulation materials of all of the most fire-resistant insulation materials so far. Nano-porous insulation material is the best or even the only choice in some high temperature equipment which have strict weight and space limitations. The birth of such materials have solve many of the world's insulation problem.

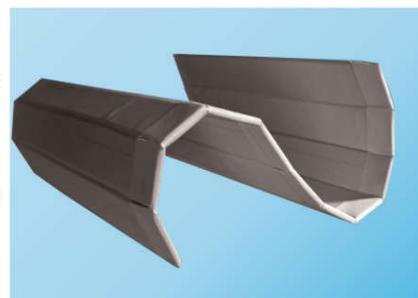
产品特性 Characteristics

- 极低的热导系数，收缩率小
low thermal conductivity, low shrinkage.
- 蓄热量低，抗热震性能好
Low heat storage, good thermal shock resistance
- 非纤维类材料，无毒无害，健康环保
Asbestos -free, high safety of environmental protection
- 易切割裁剪，施工安装方便，使用寿命长
Easy to cut and process, long working time.



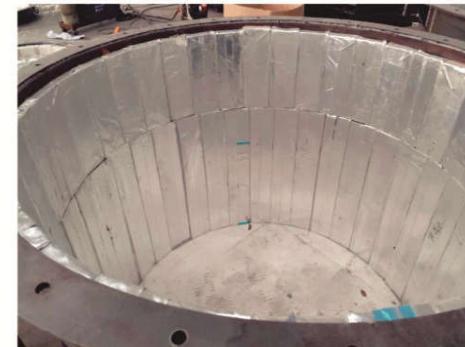
产品应用 Application

- 高温窑炉:陶瓷，石化，冶金，玻璃
High-temperature furnace: ceramics, petrochemical, metallurgy, glass.
- 电子电器：燃料电池，电炉，蓄能电暖气
Electronics: fuel cells, electric stove, electric heating
- 有色金属：熔炉，电解槽，保温炉
Non-ferrous metals: furnaces, electrolytic cell, holding furnace
- 交通运输：汽车，船舶，火车，特种车
Transportation: Cars, ships, trains, vehicles
- 航空航天：飞机，太空船
Aerospace: Aircraft, spacecraft.



产品技术参数 Technical Index

纳米微孔隔热制品 Nano-porous insulation products	纳米隔热板/毯/异形制品 Nano-insulation board / blanket / special shaped products
密度 Density (KG/M ³)	板材 : 300 , 毯 : 200
常温耐压强度 Rupture strength (MPa)	≥0.65
导热系数 (均温800℃) Thermal conductivity (average temperature 800°C) W/m.k	0.035
线性收缩 Linear shrinkage (%)	≤2 (800,6hrs)
可根据客户要求制作成柔性片，异形制品等。 It can be made into flexible sheets, special shaped products according to customer requirements.	
标准规格 (Standard size) 平板 (Board) : 1000*600*10,15,20,25,30,50mm	



注：产品的技术数据是由所采用的测试标准得出的平均值，会在一定范围内波动，该数据不代表产品的质量保证数据。如需详细信息请致电恒瑞高温技术服务部。（The result is average value not guarantee value, fluctuate within the standard value, for more details about our products properties or technical support, please contact Hengrui Technical Department.）



恒瑞高温粘结剂/硬化剂 Hengrui High Temperature Binder/Rigidizer

产品说明 Descriptions

恒瑞高温粘结剂是专为纤维制品之间的粘结和为贴面块粘贴在窑炉壁上设计配制的，同时也可以用作炉墙砌筑。产品颜色是灰色或略带黄色的粘稠液体，可在空气中自然干燥，具有优良的结合强度，施工后可形成高强度的结合缝。适用于300°C-1800°C高温条件下粘结，尤其适用于高温炉窑砌筑或修补。

Hengrui high temperature binder is compounded specially for the stickup between ceramic fiber products, and it also can be used to construct furnace walls. It is rosy liquid with color of slightly yellow, which can be drying in the air with very good felting strength and come up with construction similar to firebricks. For bonding under 300°C-1800°C high temperature conditions, especially suitable for high temperature furnaces masonry or repair.

恒瑞硬化剂是一种胶状的含硅产品，用于陶瓷纤维表面或其他耐火材料表面的处理，以形成一定厚度的表面硬化层，提高纤维表面抗侵蚀的能力，可延长耐火材料的使用寿命。硬化剂可采用表面喷涂或涂刷的方法进行施工，尽量避免在冰冻的环境下长时间存放。

Hengrui rigidizer is a colloidal silica compound for treating surfaces of ceramic fiber products to provide a degree of surface hardness and resistance to erosion. It can extend the usage life of the refractory materials. Rigidizer can use surface spraying or besmear to finish construction, freezing should be avoided.

产品特性 Characteristics

高温粘结剂

Characteristics of binder

- 结合强度高，砌筑整体结构好
High felting strength, Overall masonry structure.
- 气密性好，抗侵蚀，使用寿命长
Air tightness, resistance to chemical attack and long service life.
- 荷重软化温度高，高温收缩小
High softening temperature, low shrinkage at high temperature.
- 抗渣性好，孔隙率低，化学性质稳定。
Good slag resistance, low porosity, excellent chemical stability.

固化剂

Characteristics of rigidizer

- 增强表面硬度和抗侵蚀能力
Increase surface hardness and resistance to erosion.
- 提高迎风面抗风蚀性能
Increase wind erosion resistance ability.



恒瑞高温粘结剂/硬化剂 Hengrui High Temperature Binder/Rigidizer

产品应用 Application

- 各种工业窑炉耐火砖的砌筑
Masonry and bond between refractory bricks for industrial furnace and kilns.
- 耐火纤维毡，毯，模块的粘贴
Felting for ceramic fiber board, blanket, modules and other refractories.
- Application of rigidizer
- 陶瓷纤维毯及纤维模块的表面处理。
Surface treatment for ceramic fiber blanket and modules.
- 真空成型制品的表面处理以增强其硬度。
Surface treatment for vacuum formed shapes to increase surface hardness

产品技术参数 Technical Index

品名 Item	Binder-RM1400	Binder-RM1500	Binder-RM1600	Binder-RM1700	Rigidizer
化学成分 Chemical Composition (%)	Al ₂ O ₃ ≥45%	Al ₂ O ₃ ≥54%	Al ₂ O ₃ ≥60%	Al ₂ O ₃ ≥68%	SiO ₂ ≥96% (burned)
断裂强度 Rupture strength MPA after drying at 110°C	5.0	5.6	8.2	13.0	-
每平方用量 Quantity required per square (KG)	8-10	8-10	8-10	8-10	2-4
最高温度 Maximum temperature (°C)	1670	1670	1790	1860	1100
烘干时间 Air-drying time (hour)	10-12	10-12	10-12	10-12	15-20
包装 Package	40 kg /barrel	40 kg /barrel	35kg /barrel	35 kg /barrel	25 kg /pail

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恒瑞轻隔热耐火砖

Hengrui Insulating Firebricks

产品说明 Descriptions

恒瑞隔耐火砖是我公司参照国外先进标准研制生产的一种轻质、高效、节能的耐火材料。此类产品是以高纯度的耐火粘土氧化铝为原料，添加适量有机物填充制成，内部均匀分布有微小气孔，能保证炉墙散失的热能更少。该产品质轻同时也意味着更少的蓄热量，因此升温冷却都很快，允许加快周期性操作。

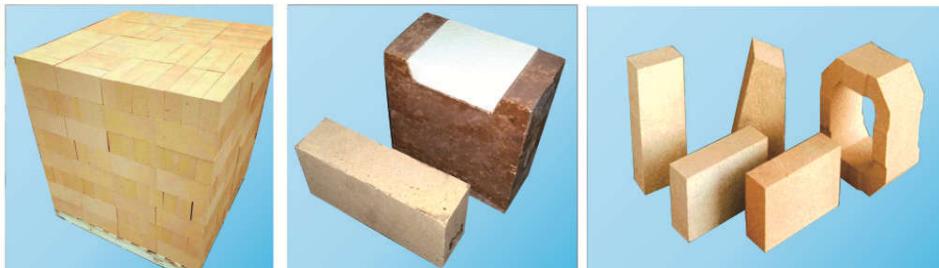
Hengrui insulating firebricks is characterized by lightweight, highly efficient, energy-saving, which is developed by our company according to foreign advanced standard. Such products are made of high purity refractory clays, alumina and some organic filler. there are well-distributed tiny pores inside and the porosity is high. Thus, the heat energy can get restored, and the cost of fuel will be saved. The light-weight of IFB means that less heat storage, so cyclic operation can be accelerated for both of the heating and cooling are quick.

恒瑞隔耐火砖系列产品是冶金，石化，建材，机械等行业的热工设备最理想的炉衬和隔热材料，可被用作隔热层或不受高温熔融物侵蚀部位的工作层，适用于900°C-1600°C的温度范围，可以根据您的需要来选择最经济的产品。

Hengrui insulating firebricks is the best lining and insulation materials for metallurgical, petrochemical, building materials, machinery and other industries of thermal equipment. The products is also used as insulating layer or work lining where there is no erosion caused by high temperature molten mass. The working temperature of Hengrui insulating firebricks ranging from 900°C to 1600°C, and every client can buy the most economical products according to one's actual demands.

产品特性 Characteristics

- 低热导率，低热容，低杂质含量
Low thermal conductivity, low thermal capacity, low impurity.
- 高强度，良好的抗热震性能，耐气氛腐蚀
Resistance to heat-attack, high strength and corrosion resistance.
- 抗折耐压强度高
Strong resistance to bending and pressure.



恒瑞轻隔热耐火砖

Hengrui Insulating Firebricks

产品应用 Application

- 钢铁，石化，陶瓷，有色金属等行业的各种炉衬热面耐火材料及背衬隔热层。
Refractory of heat surface and back lining insulation for steel industry, petrochemical, ceramic industry, non-ferrous metal industry, etc.
- 水泥窑，玻璃窑，高炉热风炉，台车炉，焦化炉，锅炉等热工设备的炉衬。
Refractory lining for cement kilns, glass furnaces, hot blast furnace, trolley furnace, coke furnaces, boilers and other thermal equipment.
- 管道，加热装置及精炼装置。
Pipeline, heating device and refining apparatus.

产品技术参数 Technical Index

隔热耐火砖 Insulating Firebricks	HR23	HR26	HR28	HR30	LZ-55	LZ-65	LZ-75
分类温度 (°C) Classification Temperature	1300	1400	1500	1650	1400	1500	1600
耐压强度 (astm c93,mpa) Compression Strength	1.0	2.0	2.2	2.6	45	55	65
重烧收缩(%) (JIS R2613, °C*8h) Reheating linear shrinkage	0.3 (1230)	0.4 (1400)	0.5 (1500)	0.6 (1550)	0.3 (1350)	0.4 (1400)	0.4 (1450)
体积密度 (g/cm³) Density	0.8	0.9	1.0	1.1	2.3	2.4	2.5
导热系数(W/m.k) at°C Thermal Conductivity	600°C	0.17	0.31	0.36	0.43	-	-
	1000°C	0.24	0.35	0.42	0.47	-	-
化学组成 (%) Chemical Composition	Al₂O₃ ≥	47	54	64	74	55	65
	SiO₂ ≥	45	42	32	22	43	33
	Fe₂O₃ ≤	1.2	0.9	0.8	0.7	1.0	1.0

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产品说明 Descriptions

恒瑞隔热耐火浇注料选用优质高纯度轻质骨料和粉料，添加其它结合剂混合配置而成，体积密度从0.6-1.8g/cm³,适用于800-1600°C的工作环境，可被应用于各种工业窑炉的不同部位。

Hengrui insulation castable are made from high-purity light refractory aggregate,powder,bonding agent and other auxiliary materials.Density from 0.6-1.8g/cm³,applies to 800-1600 °C working conditions,which can be applied to various parts of the industrial furnace.



产品特性 Characteristics

- 体积密度小，低热导，具有良好的隔热性能

Low density,low thermal conductivity and good insulating performance.

- 炉体整体性能好，使用寿命长

Long service life and beneficial to integration of the furnace lining.

- 可塑性好，施工方便

Easy to install and to mold at liberty.

- 可直接接触火焰，适用于各种气氛环境

Directly contact with the flame, suitable for a variety of ambience.

产品应用 Application

- 建材工业窑炉，化学工业炉。

Building materials industrial furnace,Chemical Industrial Furnace.

- 冶金工业炉，热处理炉。

Metallurgical industrial furnaces, heat treatment furnaces.

- 工业锅炉及垃圾焚烧炉。

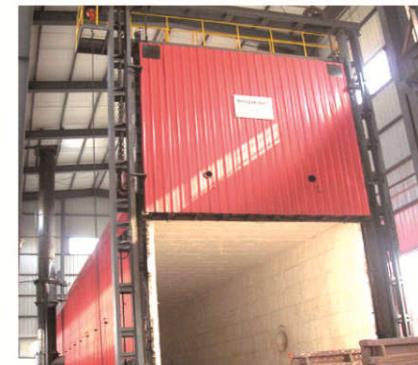
Industrial boilers and waste incinerators.



产品技术参数 Technical Index

隔热浇注料 Insulation Castable	HR-130	HR-135	HR-140	HR-145	HR-160	HR-165
分类温度 (°C) Classification Temperature	1300	1350	1400	1450	1600	1650
耐压强度 (MPa) Compression Strength	110°C*24H 1300°C*4H	5.5 5	6 20	25 20	17 22	7.5 20
重烧收缩(%) (JIS R2617, °C) Reheating Linear shrinkage	0.7 (1300)	0.7 (1350)	0.8 (1400)	0.6 (1450)	0.5 (1500)	0.4 (1600)
体积密度 (G/CM ³) Density	1.4	1.4	1.7	1.7	1.5	1.5
导热系数(W/M.K)-800°C Thermal Conductivity Rate	0.43	0.45	0.64	0.64	0.48	0.48
化学组成 (%) Chemical Composition	Al ₂ O ₃ Fe ₂ O ₃	55 1.2	65 0.9	68 0.8	70 0.7	94 0.5
产品规格 (Standard package)	: 25/50kg/袋 (25 / 50kg / bag) .					

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恒瑞产品证书及报告 Product Certificate and Report



恒瑞产品应用
Application

