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浙江阿斯克建材科技股份有限公司

ZHEJIANG ASKE BUILDING MATERIALS TECHNOLOGY CORP.

天行健，君子以自强不息

As heaven maintains vigor through movements,
A gentleman should constantly strive
for self-perfection.

科技的进步日新月异，
改革的步伐一日千里，
我们正面临一个飞速发展的时代，
我们正处在一个需要奋斗的时代，
团结进取，无私奉献，追求卓越，创中国品牌，
基业长青，是行业领导者的永恒追求。

Technology and science are changing rapidly,
The advance of reform is at a tremendous pace,
We are facing an era of rapid development,
We are existing in an era of struggle,
We are building a Chinese brand with the spirit of unity and dedication,
The industry leaders are perpetually striving for excellence and everlasting .

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Contents

关于我们 / About Us 02

发展历程 / Development Course 03

产品介绍 / Product Introduction 05

- ASC CS170 硅酸钙保温材料 CALCIUM SILICATE INSULATION 05
- ASC CS220 硅酸钙保温材料 CALCIUM SILICATE INSULATION 07
- ASC 220 憎水硅酸钙 WATER-REPELLENT CALCIUM SILICATE 09
- ASC BOILERS 锅炉专用硅酸钙 DEDICATED BOILERS CALCIUM SILICATE 11
- ASC 屋面专用保温板 HEAT INSULATION BOARD EXCLUSIVE FOR ROOFING 民用憎水型硅酸钙 CIVIL WATER-REPELLENT CALUCIUM SILICATE 13
- ASC P650 珍珠岩 PERLITE 15
- 硅酸钙、珍珠岩加工成型弯头、三通 CALUCIUM SILICATE, PERLITE PROCESSED TO MOLDED ELBOW AND TEE 17
- 硅保温一体化材料 HEAT INSULATION INTEGRATIVE MATERIAL 18
- ASC HT 硅酸钙保温材料 CALCIUM SILICATE INSULATION MATERIAL 19
- 其他配套材料 OTHER AUXILIARIES 21

实验中心 / Laboratory 22

保温安装 / Insulation Installation 23

工程业绩 / Project 25

For the World Create the Effective
THERMAL INSULATION MATERIALS
为世界创造高效保温材料

ZHEJIANG ASKE BUILDING MATERIALS TECHNOLOGY CORP.

关于我们
About Us

浙江阿斯克建材科技股份有限公司，作为一家集研发、生产、销售、服务于一体的国家级高新技术企业，拥有先进的制造技术、现代化的生产设备及高素质的人才优势。

企业生产实力雄厚，年产量突破 20 万 m^3，位居全球第一。公司注册资本达 3000 万，属国家中二型企业。公司目前拥有一支专业的研发、生产制造、销售的高素质团队，在职员工 300 人，其中专业技术人员占 13%。对应一流的人才优势，全公司已实行现代化的管理技术，对重要工段实行电脑微机控制。阿斯克将始终遵循自主创新和专业服务的方向，持续提升核心竞争力，为客户创造更大价值。

未来企业将不断研发更加低能耗、低污染、低排放和更加环保、安全、高效的生态产品，立志成为行业永恒的领军品牌！

As a state designated hi-tech enterprise that integrates R & D, manufacturing, sales and service, Zhejiang ASKE Building Materials Technology Corp. owns the advantages in terms of advanced manufacturing technology, modernized production equipment and highly qualified talents.

The company is powerful in manufacturing strength with the annual output breaking through 200,000 m^3 ,taking the first place wordwide. Our registered capital in 30 million Yuan and is a state intermediate Type II enterprise.Presently, the company owns professional, highly qualified teams composed of R & D, manufacturing and sales, and 300 employees including 13% are professional technicians. In response to the advantage of first rate talents, the company has implemented modernized management technology and has microcomputer control over significant workshop sections. ASKE will always follow the direction of self-innovation and professional service, continuing to enhance core competitiveness,and creates greater value for customers.

In the future, the enterprise will continue to research and develop ecological products which have lower energy consumption, pollution, emission and are more environment friendly, safe and efficient, and resolve to become a permanent leading brand of the industry!

Development Course
发展历程

ISO14001:2004 ISO9001:2008

- 原材料储量优势，坐拥多达全国2/3储量的硅藻土资源。
  In terms of the advantage in raw material reserve,
  we own as much as 2/3 national reserve of diatomaceous resources.
- 阿斯克起草了国家第一份硅酸钙标准。
  ASKE made a draft of the state first calcium silicate standard.
- 引进日本全套生产线和先进技术。
  We have introduced a full range of production line and advanced technology from Japan.
- 阿斯克率先通过行业内首个ISO9001质量体系认证，并获得“国家免检产品”称号。
  ASKE passed the ISO90001 quality assurance system certification
  and won the title “National Free-inspection Product”.
- 通过ISO14001环境体系认证/ISO 14001:2004。
  ASKE passed the ISO14001 environmental quality assurance system certification.
- “全国电力行业2011年度保温耐火材料”供货许可证。
  We got Supply License of National Electric Power Industry Insulation Refractory Materials.
- 石油和化学工业绝热材料推荐书。
  We got Recommendation certificate of Oil and Chemical Industry Insulation Materials.
- 德国劳氏船级社（Germanischer Lloyd）EC证书。
  We got Germanischer Lloyd EC Certificate Of Conformity For Non-Combustible Material.
- 中国绝热节能材料协会副理事长单位。
  We are deputy director unit of the CIEEMA association.

产品主要有：无石棉硅酸钙绝热制品、珍珠岩绝热制品、整体憎水微孔硅酸钙绝热制品、170#超轻质硅酸钙绝热制品、ASC-C型硬质耐高温绝热制品、相关辅助产品。
Our main products are：calcium silicate insulation，perlite insulation, ASC CS (water repellency), ASC CS170, relevant auxiliary materials.

ASC CS170

硅酸钙保温材料 CALCIUM SILICATE INSULATION

阿斯克从日本引进的超轻质新型材料硅酸钙 170 ，打破了同行业的技术空白，是目前国内唯一能做到的 170 密度。高强度且性能稳定，能够提供更好的热保温效果，满足更高的客户使用要求。

ASKE CS170 as the super light new material, has been introduced from Japan. Which broke the technical vacancy in the market. Presently, ASKE is the only one enterprise that can produce the 170 density at home. This material has high strength, stable properties, can provide better heat insulation effect and meet client's higher requirements.

特性 / Performances :

A1 高效率 / A1 High Efficiency:
产品的规格和等分按照最合理的包装运输和简易安装的原则来设定。
Product specifications and sections are based on the reasonable packing during transit and simple installation.

A2 高保温性 / A2 High Insulating Effect:
是目前为止在无机硬质保温材料中导热系数最低的材料，超强的保温效果。
This material has the lowest coefficient of thermal conductivity among the inorganic rigid insulation materials and has super strong insulation effect so far.

A3 高强度 / A3 Superior Strength:
在密度相近时，本产品在无机硬质绝热材料中强度最高，抗压性能更好，不易弯曲。
When the density is similar, the strength of this material is the highest, the compressive performance is better and not easy to bend among the inorganic rigid insulation materials.

A4 无石棉 / A4 Asbestos Free:
产品由亿万年前的藻类化石生产制作而成，绝对不含石棉，对人体无毒无害。
The product is made by algous fossil from millions of year ago, is absolutely asbestos free, innocuous and unpoisonous to the human body.

A5 重量轻 / A5 Super-Light Weight:
比 220 号产品密度更低，导热系数更低，密度更低，营造更完美的保温效果。
Its density and coefficient of thermal conductivity are lower than ASKE CS220, which can create better heat insulation effect.

较普通产品相比优势 / Advantages Compared with General Product :

高保护 / High Protection:
超低的氯离子含量，呈弱碱性，对金属管道有很好的保护作用，极大地延长了管道及设备的使用寿命，极大降低了维护成本，持久保护，更耐用。
The super low chloride ion content and alkalescence have good protection for metal pipes. Which greatly prolong the service life of pipes and equipments and greatly reduce maintenance cost. Lasting protection, more durable.

隔音好 / Nice Sound Insulation:
产品除具有超强保温效果之外，还具有良好的隔音效果，可以有效减少工业噪音。
The product besides for the super strong insulation effect, the product also has nice sound insulation effect and can efficiently reduce industrial noise.

吸附性能好 / Good Adsorption:
本产品具有超强的吸附能力，能高效吸附污水中的磷，达到净化水质的效果，废弃材料还能帮助污水有效除磷，让城市生活更加健康环保。
This product has super strong adsorption capacity, and it can efficiently absorb the phosphorus in water, which can purify water quality. The waste material also can help sewage to remove the phosphorus and make urban life more healthy and environmental protection.

稳定性能好 / Good Stability:
在水中长期浸泡后不会粉化，烘干后保温性能不变。
It will not pulverization when be soaked in water for a long time and its performance remains the same after drying.

防腐蚀性能好 / Good Anticorrosive:
防止腐蚀金属管道，极大延长管道使用寿命。
Preventing corrosion of metal pipe, greatly prolong the service life of pipeline.

不燃性能好 / Good Non-combustible:
防止火灾事故产生。 Preventing fire accidents.

适用范围 / Applicable Scope :

用于化工、电力、热网的设备及管道设施。
It is applicable for the equipment of chemical industry, electricity heat supply network and pipeline facilities.

技术数据 / Technical Data :

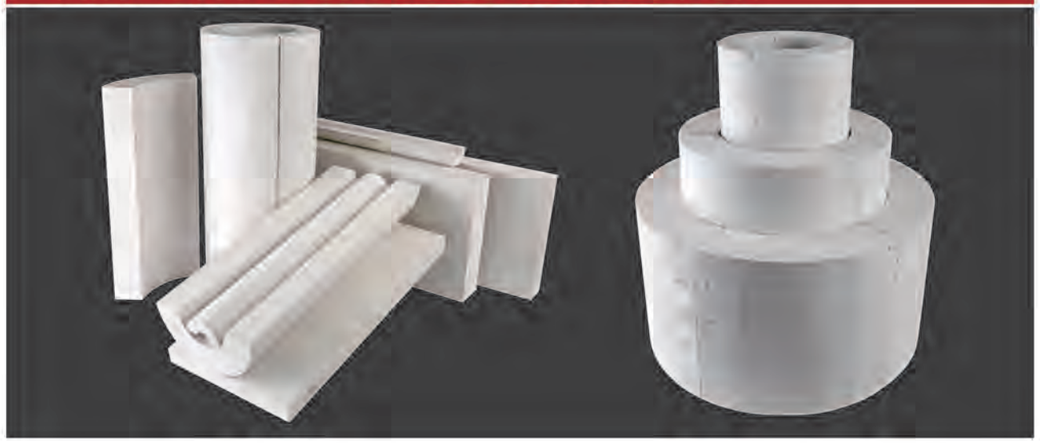
TERM	UNIT	JIS A9510	GB 10699	ZHEJIANG ASKE
密度 Density	Kg/m³	≤170	≤170	≤170
最高温度 Maximum Service Temperature	℃	650	650	650
导热系数 Thermal Conductivity (100℃)	W/m.k	≤0.058	≤0.058	≤0.052
抗压系数 Compressive Strength	Mpa	≥0.30	≥0.40	≥0.40
抗曲系数 Flexural Strength	Mpa	≥0.20	≥0.20	≥0.20
线收缩 Linear Shrinkage	%	≤2.0	≤2.0	≤2.0
氯离子含量 Chlorine Content	●	●	●	ASTM C795

类型 / Item	平板 / Slab	曲板 / Curved	管壳 / Pipe
长度 / Length(mm)	600	600	600
宽度 / Width(mm)	300/150	150/100	0.2"- 60"(直径inside diameter)
厚度 / Thickness(mm)	25-100	25-100	25-100

备注：采用标准出口纸板，内套塑料袋。以上标注的为常用标准尺寸，其他尺寸欢迎来电垂询。
Remark: Packing in standard export carton with plastic bag inside. Standard sizes showed as above, for further information, including nonstandard sizes, please contact Zhejiang ASKE.

ASC CS220

硅酸钙保温材料 CALCIUM SILICATE INSULATION



是以无机硅质与钙质为材料，经高温高压水热反应等特殊技术处理而成的微孔结构无机硬质超轻保温材料，是同行业中首获 ISO9001 认证的国家免检产品。在 650℃ 下仍能保持耐高温性能，以应对温度变化的稳定性见长。超低的氯离子含量，对管道起很好的保护作用，预制成型抗变型，大大增强使用寿命。另外，公司不断提升产品技术，对产品进行改良，降低了产品密度，从 220kg/m³ 到 180kg/m³，因此降低了导热系数，由 0.065 降到 0.049 。

It is the microcellular structured inorganic rigid and super-light heat insulation material mainly composed of inorganic siliceous and calcium and made by special technology such as the hydrothermal reaction under high temperature and high pressure etc. And it's the national inspection-free product that has firstly won the ISO9001 certification in the same industry. It can still maintain the high insulating effect under 650℃ and is advantageous in the stability of coping with temperature changes. With super-low chloride ion content, it can provide very nice protection on pipelines, and is prefabricated to shape up, greatly extending the service life. Additionally, the company has kept upgrading product technology to improve product, reduce the product density from 220kg/m³ to 180kg/m³, thus reducing the thermal conductivity from 0.065to 0.049.

特性 / Performances :

A1 高效率 / A1 High Efficiency:
产品的规格和等分按照最合理的包装运输和简易安装的原则来设定。
Product specifications and sections are based on the reasonable packing during transit and simple installation.

A2 高保温性 / A2 High Insulating Effect:
是目前为止在无机硬质保温材料中导热系数最低的材料，超强的保温效果。
This material has the lowest coefficient of thermal conductivity among the inorganic rigid insulation materials and has super strong insulation effect so far.

A3 高强度 / A3 Superior Strength:
在密度相近时，本产品在无机硬质绝热材料中强度最高，抗压性能更好，不易弯曲。
When the density is similar, the strength of this material is the highest, the compressive performance is better and not easy to bend among the inorganic rigid insulation materials.

A4 无石棉 / A4 Asbestos Free:
产品由亿万年前的藻类化石生产制作而成，绝对不含石棉，对人体无毒无害。
The product is made by algous fossil from millions of year ago, is absolutely asbestos free, innocuous and unpoisonous to the human body.

A5 重量轻 / A5 Super-Light Weight:
比 220 号产品密度更低，导热系数更低，密度更低，营造更完美的保温效果。
Its density and coefficient of thermal conductivity are lower than ASKE CS220, which can create better heat insulation effect.

较普通产品相比优势 / Advantages Compared with General Product :

高保护、隔音好、吸附性能好、稳定性能好 、防腐蚀性能好、不燃性能好、耐辐射。
High Protection, Nice Sound Insulation, Good Adsorption, Good Anticorrosive, Good Non-combustible, Good Stability Radiation Resistance.

适用范围 / Applicable Scope :

用于化工、电力、热网的设备及管道设施。
It is applicable for the equipment of chemical industry, electricity heat supply network and pipeline facilities.

技术数据 / Technical Data :

TERM		UNIT	ASTM C533	JIS A9510	ZHEJIANG ASKE
密度 Density		Kg/m^3	≤250	≤220	≤200
最高温度 Maximum Service Temperature		℃	650	650	650
导热系数 Thermal Conductivity per ASTM C518/C1114	(50℃)	W/m.k	≤0.060	●	≤0.0535
	(93℃)		≤0.065	≤0.065	≤0.052
	(100℃)		●	≤0.065	●
	(149℃)		≤0.072	●	≤0.054
	(200℃)		≤0.079	≤0.077	≤0.056
	(260℃)		≤0.087	●	≤0.0757
	(300℃)		●	≤0.088	●
	(371℃)		≤0.102	●	≤0.0923
	(400℃)		●	≤0.106	●
	(500℃)		●	≤0.127	≤0.098
	(538℃)		≤0.111	●	≤0.1002
线性热收缩率 Linear Heat Shrinkage per ASTM C 356		%	≤2.0	≤2.0	≤1.3
弯曲强度 Flexural Strength per ASTM C 203		MPa	≥0.344	≥0.30	≥0.36
抗压强度 Compressive Strength per ASTM C 165		MPa	≥0.689	≥0.45	≥0.85
翻滚质量损失率 Weight Loss by Tumbling per ASTM C 421 (前10分钟 First 10 minutes)		%	≤20	●	≤10
翻滚质量损失率 Weight Loss by Tumbling per ASTM C 421 (后10分钟 Second 10 minutes)		%	≤40	●	≤20
热表面性能 Hot Surface Performance per ASTM C 411 (650℃)		CM	≤0.635 (无开裂) (No through-cracking)	●	≤0.635 (无开裂) (No through-cracking)
表面燃烧特性 Surface Burning Characteristics per ASTM E841	火焰蔓延指数 Flame Spread Index	●	0	●	0
	烟雾指数 Smoke Developed Index	●	0	●	0
水分含量 Moisture Content per ASTM C 1616		%	≤20	●	≤4
不可燃性 Non-Combustible Property per ASTM E 136		●	Pass	●	Pass
氯离子含量 Chlorine Content		●	ASTM C795	●	ASTM C795

类型 / Item	平板 / Slab	曲板 / Curved	管壳 / Pipe
长度 / Length(mm)	600	600	600
宽度 / Width(mm)	300/150	150/100	0.2"- 60"(直径inside diameter)
厚度 / Thickness(mm)	25-100	25-100	25-100

备注：采用标准出口纸板，内套塑料袋。以上标注的为常用标准尺寸，其他尺寸欢迎来电垂询。
Remark: Packing in standard export carton with plastic bag inside. Standard sizes showed as above, for further information, including nonstandard sizes, please contact Zhejiang ASKE.

ASC 220

憎水硅酸钙 WATER-REPELLENT CALCIUM SILICATE

憎水硅酸钙具有户外憎水特点，适用于地埋管和特殊的户外保温，可根据客户的实际要求将 CS170 与 CS220 做成整体憎水，以满足客户的使用需求。是以无机硅质与钙质为材料，经高温高压水热反应等特殊技术处理而成的微孔结构无机硬质超轻保温材料，是同行业中首获 ISO9000 认证的唯一的国家免检产品。在 650℃ 下仍能保持高温性能，以应对温度变化的稳定性见长。超低的氯离子含量，对管道起很好的保护作用，预制成型抗变型，大大增强使用寿命。

The insulation material is characterized with waterproof effect for outdoor applications,mainly used in under-ground piping system and special outdoor insulation.According to customers' requirements,the CS170 and CS220 could be made into whole water repellent type. It is the microcellular structured inorganic rigid and super-light heat insulation material mainly composed of inorganic siliceous and calcium and made by special technology such as the hydrothermal reaction under high temperature and high pressure etc. It can still remain its own property under the high temperature of 650℃: heat resistance and super-low chloride ion content, so it can have very good protection on peripheral steel pipes, resist deformation and have super-long service life.

特性 / Performances :

A1 高效率 / A1 High Efficiency:
产品的规格和等分按照最合理的包装运输和简易安装的原则来设定。
Product specifications and sections are based on the reasonable packing during transit and simple installation.

A2 高保温性 / A2 High Insulating Effect:
是目前为止在无机硬质保温材料中导热系数最低的材料，超强的保温效果。
This material has the lowest coefficient of thermal conductivity among the inorganic rigid insulation materials and has super strong insulation effect so far.

A3 高强度 / A3 Superior Strength:
在密度相近时，本产品在无机硬质绝热材料中强度最高，抗压性能更好，不易弯曲。
When the density is similar, the strength of this material is the highest, the compressive performance is better and not easy to bend among the inorganic rigid insulation materials.

A4 无石棉 / A4 Asbestos Free:
产品由亿万年前的藻类化石生产制作而成，绝对不含石棉，对人体无毒无害。
The product is made by algous fossil from millions of year ago, is absolutely asbestos free, innocuous and unpoisonous to the human body.

A5 重量轻 / A5 Super-Light Weight:
比 220 号产品密度更低，导热系数更低，密度更低，营造更完美的保温效果。
Its density and coefficient of thermal conductivity are lower than ASKE CS220, which can create better heat insulation effect.

较普通产品相比优势 / Advantages Compared with General Product :

高保护 / High Protection:
超低的氯离子含量，呈弱碱性，对金属管道有很好的保护作用，极大地延长了管道及设备的使用寿命，极大降低了维护成本，持久保护，更耐用。
The super low chloride ion content and alkalescence have good protection for metal pipes. Which greatly prolong the service life of pipes and equipments and greatly reduce maintenance cost. Lasting protection, more durable.

隔音好 / Nice Sound Insulation:
产品除具有超强保温效果之外，还具有良好的隔音效果，可以有效减少工业噪音。
The product besides for the super strong insulation effect, the product also has nice sound insulation effect and can efficiently reduce industrial noise.

吸附性能好 / Good Adsorption:
本产品具有超强的吸附能力，能高效吸附污水中的磷，达到净化水质的效果，废弃材料还能帮助污水有效除磷，让城市生活更加健康环保。
This product has super strong adsorption capacity, and it can efficiently absorb the phosphorus in water, which can purify water quality. The waste material also can help sewage to remove the phosphorus and make urban life more healthy and environmental protection.

稳定性能好 / Good Stability:
在水中长期浸泡后不会粉化，烘干后保温性能不变。
It will not pulverization when be soaked in water for a long time and its performance remains the same after drying.

防腐蚀性能好 / Good Anticorrosive:
防止腐蚀金属管道，极大延长管道使用寿命。
Preventing corrosion of metal pipe, greatly prolong the service life of pipeline.

不燃性能好 / Good Non-combustible:
防止火灾事故产生。 Preventing fire accidents.

防水性能好 / Good waterproof performance:
不吸油、不吸水。 No oil absorption, no water absorption.

耐辐射 / Radiation resistance:
抗核辐射的性能更是成了工业及生活建筑当中的一大竞争优势，并使产品在环保安全方面又有了新的突破。
Radiation resistance has become a major competitive advantage of industrial and civil construction, and make the new breakthrough in the field of environmental safety.

适用范围 / Applicable Scope :

电力、石化、冶金、建筑、船舶等工业领域的设备管道、供热管网系统中，以及墙体屋面的保温隔热和防火隔音。还可作为各种锅炉耐火砖背衬材料。
It is applicable to the equipment pipelines, heat supply pipeline network and system in the industrial fields including electricity, petrochemical complex, metallurgy, construction and vessel etc., as well as the heat insulation, fire protection and sound insulation for wall body and roofing. It can also be used as the backing materials for fire retardant bricks of various furnaces.

技术数据 / Technical Data :

TERM	UNIT	JIS A9510	GB 10699
憎水率 / Water Repellency	%	≥98	≥98

其他性能指标参照CS220。
For indexes of other properties, please refer to CS220.

类型 / Item	平板 / Slab	曲板 / Curved	管壳 / Pipe
长度 / Length(mm)	600	600	600
宽度 / Width(mm)	300/150	150/100	0.2"- 60"(直径inside diameter)
厚度 / Thickness(mm)	25-100	25-100	25-100

备注：采用标准出口纸板，内套塑料袋。以上标注的为常用标准尺寸，其他尺寸欢迎来电垂询。
Remark: Packing in standard export carton with plastic bag inside. Standard sizes showed as above, for further information, including nonstandard sizes, please contact Zhejiang ASKE.

ASC BOILERS

锅炉专用硅酸钙 DEDICATED BOILERS CALCIUM SILICATE

是以无机硅质材料与钙质为基材，经高温高压水热反应等特殊技术处理而成的微孔结构保温材料，在 650℃ 高温下仍能保持自身性能，容重轻、导热系数低、抗折、抗压强度高、耐热，且超低的氯离子含量，对外围钢管起很好的保护作用，抗变型，且使用寿命超长。严格按照锅炉炉体的规格定制加工，拥有其他软质材料无法比拟的贴合度，起到更好的保温效果，另有抗辐射的作用。

It is the microcellular structured inorganic rigid and super-light heat insulation material mainly composed of inorganic siliceous and calcium and made by special technology such as the hydrothermal reaction under high temperature and high pressure etc. It can still remain its own property under the high temperature of 650℃: low density, low thermal conductivity, high compressive strength and flexural strength, heat resistance and super-low chloride ion content, so it can have very good protection on peripheral steel pipes, resist deformation and have super-long service life. Being customized and processed strictly in accordance with the specifications of furnace body, the product owns the incomparable joint degree to other soft materials, can provide better heat insulation effect and also has the function to resist radiation.

特性 / Performances :

A1 高效率 / A1 High Efficiency:
产品的规格和等分按照最合理的包装运输和简易安装的原则来设定。
Product specifications and sections are based on the reasonable packing during transit and simple installation.

A2 高保温性 / A2 High Insulating Effect:
是目前为止在无机硬质保温材料中导热系数最低的材料，超强的保温效果。
This material has the lowest coefficient of thermal conductivity among the inorganic rigid insulation materials and has super strong insulation effect so far.

A3 高强度 / A3 Superior Strength:
在密度相近时，本产品在无机硬质绝热材料中强度最高，抗压性能更好，不易弯曲。
When the density is similar, the strength of this material is the highest, the compressive performance is better and not easy to bend among the inorganic rigid insulation materials.

A4 无石棉 / A4 Asbestos Free:
产品由亿万年前的藻类化石生产制作而成，绝对不含石棉，对人体无毒无害。
The product is made by algous fossil from millions of year ago, is absolutely asbestos free, innocuous and unpoisonous to the human body.

A5 重量轻 / A5 Super-Light Weight:
比 220 号产品密度更低，导热系数更低，密度更低，营造更完美的保温效果。
Its density and coefficient of thermal conductivity are lower than ASKE CS220, which can create better heat insulation effect.

较普通产品相比优势 / Advantages Compared with General Product :

高保护 / High Protection:
超低的氯离子含量，呈弱碱性，对金属管道有很好的保护作用，极大地延长了管道及设备的使用寿命，极大降低了维护成本，持久保护，更耐用。
The super low chloride ion content and alkalescence have good protection for metal pipes. Which greatly prolong the service life of pipes and equipments and greatly reduce maintenance cost. Lasting protection, more durable.

隔音好 / Nice Sound Insulation:
产品除具有超强保温效果之外，还具有良好的隔音效果，可以有效减少工业噪音。
The product besides for the super strong insulation effect, the product also has nice sound insulation effect and can efficiently reduce industrial noise.

吸附性能好 / Good Adsorption:
本产品具有超强的吸附能力，能高效吸附污水中的磷，达到净化水质的效果，废弃材料还能帮助污水有效除磷，让城市生活更加健康环保。
This product has super strong adsorption capacity, and it can efficiently absorb the phosphorus in water, which can purify water quality. The waste material also can help sewage to remove the phosphorus and make urban life more healthy and environmental protection.

稳定性能好 / Good Stability:
在水中长期浸泡后不会粉化，烘干后保温性能不变。
It will not pulverization when be soaked in water for a long time and its performance remains the same after drying.

防腐蚀性能好 / Good Anticorrosive:
防止腐蚀金属管道，极大延长管道使用寿命。
Preventing corrosion of metal pipe, greatly prolong the service life of pipeline.

不燃性能好 / Good Non-combustible:
防止火灾事故产生。 Preventing fire accidents.

防水性能好 / Good waterproof performance:
不吸油、不吸水。 No oil absorption, no water absorption.

耐辐射 / Radiation resistance:
抗核辐射的性能更是成了工业及生活建筑当中的一大竞争优势，并使产品在环保安全方面又有了新的突破。
Radiation resistance has become a major competitive advantage of industrial and civil construction, and make the new breakthrough in the field of environmental safety.

适用范围 / Applicable Scope :

本产品是专业的锅炉保温材料。
This product is the professional heat insulation material for boiler.

技术数据 / Technical Data :

TERM		UNIT	ASTM C533	JIS A9510	ZHEJIANG ASKE
密度 Density		Kg/m^3	≤250	≤220	≤200
最高温度 Maximum Service Temperature		℃	1000	1000	1000
弯曲强度 Flexural Strength per ASTM C 203		MPa	≥0.344	≥0.30	≥0.36
抗压强度 Compressive Strength per ASTM C 165		MPa	≥0.689	≥0.45	≥0.85
均匀受热线性收缩 Soaking Heat Linear Shrinkage (927℃)	S length	%	≤2.0	≤2.0	≤0.8
	S width				≤1.0
	S thickness				≤1.4
翻滚质量损失率 Weight Loss by Tumbling per ASTM C 421 (前10分钟 First 10 minutes)		%	≤20	●	≤3.7
翻滚质量损失率 Weight Loss by Tumbling per ASTM C 421 (后10分钟 Second 10 minutes)		%	≤40	●	≤5.6
导热系数 Thermal Conductivity	(93℃)	W/m.k	≤0.078	●	≤0.0690
	(100℃)		●	≤0.065	●

类型 / Item	平板 / Slab	曲板 / Curved	管壳 / Pipe
长度 / Length(mm)	600	600	600
宽度 / Width(mm)	300/150	150/100	0.2"- 60"(直径inside diameter)
厚度 / Thickness(mm)	25-100	25-100	25-100

ASC 屋面专用保温板
Heat Insulation Board Exclusive for Roofing

民用憎水型硅酸钙 CIVIL WATER-REPELLENT CALUCIUM SILICATE

ASC 微孔硅酸钙保温板是由硅质和钙质材料为主，经制浆、成型、蒸养、烘干及后加工等工序制成的一种新型板材。预制成型抗踩踏，与建筑同寿命，防火防水防潮，耐辐射，耐气候变化。产品具有轻质高强、防火隔热、加工性好等优点。

ASC microcellular calucium silicate heat insulation board is a kind of new-type board dominated by siliceous and calcareous materials and made by such working procedures as pulping, shaping, steam curing, drying and post processing etc. It is prefabricated to shape up and resist stepping and has the same service life with buildings; it is resistant to fire, water and moisture, and also resistant to radiation and climate changes. The product has the advantages including light weight, high intensity, fire protection, heat insulation and nice processability etc.

特性 / Performances :

A1 高效率 / A1 High Efficiency:
产品的规格和等分按照最合理的包装运输和简易安装的原则来设定。
Product specifications and sections are based on the reasonable packing during transit and simple installation.

A2 高保温性 / A2 High Insulating Effect:
是目前为止在无机硬质保温材料中导热系数最低的材料，超强的保温效果。
This material has the lowest coefficient of thermal conductivity among the inorganic rigid insulation materials and has super strong insulation effect so far.

A3 高强度 / A3 Superior Strength:
在密度相近时，本产品在无机硬质绝热材料中强度最高，抗压性能更好，不易弯曲。
When the density is similar, the strength of this material is the highest, the compressive performance is better and not easy to bend among the inorganic rigid insulation materials.

A4 无石棉 / A4 Asbestos Free:
产品由亿万年前的藻类化石生产制作而成，绝对不含石棉，对人体无毒无害。
The product is made by algous fossil from millions of year ago, is absolutely asbestos free, innocuous and unpoisonous to the human body.

A5 重量轻 / A5 Super-Light Weight:
比 220 号产品密度更低，导热系数更低，密度更低，营造更完美的保温效果。
Its density and coefficient of thermal conductivity are lower than ASKE CS220, which can create better heat insulation effect.

较普通产品相比优势 / Advantages Compared with General Product :

超强的保温性 / Super strong heat insulation:
ASC 保温板具有良好的保温隔热性能，导热系数约 0.048W/(m.k)，远远低于目前市场上常用的无机、有机外墙保温产品，可达到更高效的节能效果。
ASC heat insulation board has very nice heat insulation property, its heat conductivity coefficient is about 0.048W/(m.k) which is greatly lower than that of the inorganic, organic external wall heat insulation products frequently used in market, so it can reach more efficient energy-saving effect.

隔热隔音 / Heat Insulation and Sound Insulation:
微孔硅酸钙制品具有良好的隔热保温性能和隔音效果，是民用保温材料的最佳选择。
The microcellular calcium silicate product has very nice heat insulation property and sound insulation effect, so it is the best choice for civil heat reservation materials.

耐久、使用寿命长 / Durable, Long Service Life:
微孔硅酸钙制品的性能稳定，耐酸碱，不易腐蚀，有超长的使用寿命。
The microcellular calcium silicate product has stable property, is resistant to acid-base and will not get erosive, so it has super long service life.

重复使用率高 / High Repeated Usage Rate:
性能极其稳定的 ASC 保温材料，可持续使用达 300 年之久不会变形、失效，可拆卸重复安装使用，大大提高了民用保温材料的重复使用率。
with greatly stable property, the ASC heat insulation material will not get deformed or invalid, but can be repeated for installation and use after dismantling even having being used for as long as 300 years continuously, greatly increasing the repeated usage rate of civil heat insulation materials.

超强的防火无毒性能 / The property of super strong fire resistance and non-toxicity:
ASC 硅酸钙是不燃 A1 级材料，在 650℃ 高温下，板材不会燃烧，不会产生有毒气体和烟雾，是绿色环保材料。
The ASC calcium silicate is fire retardant Grade A1 material, and it is green, environment-friendly material as even under the high temperature of 650℃, the board of such material will not get burned, nor produce any toxic gas or smog.

抗辐射性强 / Strong radiation resistance:
与普通产品相比，ASC 硅酸钙保温板拥有良好的抗辐射性能。产品经过专业的防辐射测试，测试结果符合国家标准的规定。
compared with general product, the ASC calcium silicate heat insulation board has very nice radiation resistance property. Upon professional radiation resistance testing, the result of such product meets the state standard.

适用范围 / Applicable Scope :

广泛应用于高层和公共建筑的屋面保温板、吊顶板、风道、各种船舶的隔仓板，以及防火门等。
It is widely used for the roof heat insulation board, ceiling board, air channel of high rises and public buildings, the partition board of various vessels and fire prevention doors etc.

技术数据 / Technical Data :

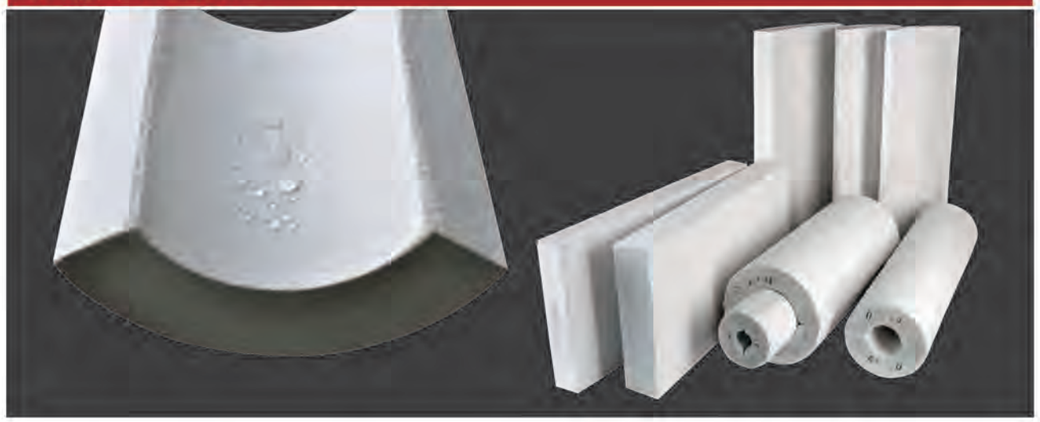
TERM		UNIT	ASTM C533	JIS A9510	ZHEJIANG ASKE
密度 Density		Kg/m^3	≤352	≤220	≤200
最高温度 Maximum Service Temperature		℃	1000	1000	1000
弯曲强度 Flexural Strength per ASTM C 203		MPa	≥0.344	≥0.30	≥0.36
抗压强度 Compressive Strength per ASTM C 165		MPa	≥0.689	≥0.45	≥0.85
均匀受热线性收缩 Soaking Heat Linear Shrinkage (927℃)	S length	%	≤2.0	≤2.0	≤0.8
	S width				≤1.0
	S thickness				≤1.4
翻滚质量损失率 Weight Loss by Tumbling per ASTM C 421 (前10分钟 First 10 minutes)		%	≤20	●	≤3.7
翻滚质量损失率 Weight Loss by Tumbling per ASTM C 421 (后10分钟 Second 10 minutes)		%	≤40	●	≤5.6
导热系数 Thermal Conductivity	(25℃)	W/m.k	≤0.078	●	≤0.048
	(100℃)		●	≤0.065	≤0.050

类型 / Item	平板 / Slab	曲板 / Curved	管壳 / Pipe
长度 / Length(mm)	600	600	600
宽度 / Width(mm)	300/150	150/100	0.2"- 60"(直径inside diameter)
厚度 / Thickness(mm)	25-100	25-100	25-100

备注：采用标准出口纸板，内套塑料袋。以上标注的为常用标准尺寸，其他尺寸欢迎来电垂询。
Remark: Packing in standard export carton with plastic bag inside. Standard sizes showed as above, for further information, including nonstandard sizes, please contact Zhejiang ASKE.

ASC P650

珍珠岩 PERLITE



是以高品质珍珠岩颗粒为主料，用无机粘合剂和强化纤维加以粘结而成的无石棉、高强度防水保温材料，最高使用温度 650 度，超低的导热系数，超低的氯离子含量，对外围管道起很好的保护作用，预制成型且抗变型，与建筑物同寿命。各技术指标领先于国内同类产品水平，整体憎水性好，集保温、隔热和防水功能于一体，节省了大量的建设和维修资金。不仅对石油化工管道和设备起保温功能，且具有良好的防火性和耐辐射性，是国内唯一一家达到美国 ASTMC610 标准的厂家。

It is the waterproof heat insulation material that is asbestos-free and of high intensity with high quality perlite particles as the main material and made by cohering inorganic bond and reinforced fiber(It is a non-asbestos, high performance and water repellent insulating material that is composed of high-quality expanded perlite particles, bonded with inorganic binder and reinforcing fiber);its highest use temperature is 650℃, with super-low heat conductivity coefficient and super-low chloride ion content, it has very good protection on peripheral steel pipes; being prefabricated to shape up and resistant to deform, it has the same service life of buildings. Its various technical indexes are leading to the level of similar products in domestic; its overall water repellency is nice and it integrates the function in terms of heat reservation, thermal insulation and water resistance, saving great amount of construction and maintenance fund. It is not only able to have heat reservation function on petrochemical industry pipelines and equipment, but also has very nice fire prevention and radiation resistance, and the manufacturer is the only one in domestic that has reached the US ASTMC610 standard.

特性 / Performances :

A1 高效率 / A1 High Efficiency:
产品的规格和等分按照最合理的包装运输和简易安装的原则来设定。
Product specifications and sections are based on the reasonable packing during transit and simple installation.

A2 高保温性 / A2 High Insulating Effect:
是目前为止在无机硬质保温材料中导热系数最低的材料，超强的保温效果。
This material has the lowest coefficient of thermal conductivity among the inorganic rigid insulation materials and has super strong insulation effect so far.

A3 高强度 / A3 Superior Strength:
在密度相近时，本产品在无机硬质绝热材料中强度最高，抗压性能更好，不易弯曲。
When the density is similar, the strength of this material is the highest, the compressive performance is better and not easy to bend among the inorganic rigid insulation materials.

A4 无石棉 / A4 Asbestos Free:
产品由亿万年前的藻类化石生产制作而成，绝对不含石棉，对人体无毒无害。
The product is made by algous fossil from millions of year ago, is absolutely asbestos free, innocuous and unpoisonous to the human body.

A5 重量轻 / A5 Super-Light Weight:
比 220 号产品密度更低，导热系数更低，密度更低，营造更完美的保温效果。
Its density and coefficient of thermal conductivity are lower than ASKE CS220, which can create better heat insulation effect.

较普通产品相比优势 / Advantages Compared with General Product :

高保护、隔音好、吸附性能好、稳定性能好 、防腐蚀性能好、不燃性能好、耐辐射。
High Protection, Nice Sound Insulation, Good Adsorption, Good Anticorrosive, Good Non-combustible, Good Stability Radiation Resistance.

适用范围 / Applicable Scope :

可广泛应用于发电厂、石化厂的管道系统设备中，以及供热管网系统中。
It can be widely used in the pipeline system equipment for power generation factory and petrochemical works, as well as in heat supply pipeline network system.

技术数据 / Technical Data :

TERM		UNIT	ASTM C610-07	ZHEJIANG ASKE
密度 Density		Kg/m^3	≤240	≤200
最高温度 Maximum Service Temperature		℃	650	650
导热系数 Thermal Conductivity per ASTM C335/C177/C518	(38℃)	W/m.k	≤0.069	≤0.067
	(50℃)		●	●
	(93℃)		≤0.076	≤0.069
	(149℃)		≤0.085	≤0.081
	(260℃)		≤0.099	≤0.085
	(371℃)		≤0.115	≤0.102
线性热收缩率 Linear Heat Shrinkage per ASTM C 356	S length	%	≤2.0	≤1.7
	S width		≤2.0	≤1.6
	S thickness		≤8.0	≤5.7
弯曲强度 Flexural Strength per ASTM C 203		MPa	≥0.310	≥0.39
抗压强度 Compressive Strength per ASTM C 165		MPa	≥0.483	≥0.55
翻滚质量损失率 Weight Loss by Tumbling per ASTM C 421		%	≤70	≤48
水分含量 Moisture Content per ASTM C 1616		%	≤10	≤4
表面燃烧特性 Surface Burning Characteristics per ASTM E841	火焰蔓延指数 Flame Spread Index	●	≤0	≤0
	烟雾指数 Smoke Developed Index	●	≤5	≤0
热表面性能 Hot Surface Performance per ASTM C 411 (650℃)		CM	≤0.635 (无开裂) (No through-cracking)	≤0.635 (无开裂) (No through-cracking)
不可燃性 Non-Combustible Property per ASTM E 136		●	Pass	Pass
氯离子含量 Chlorine Content		●	ASTM C795	ASTM C795

类型 / Item	平板 / Slab	曲板 / Curved	管壳 / Pipe
长度 / Length(mm)	600	600	600/610/1000
宽度 / Width(mm)	300/150	150/100	0.2"- 60"(直径inside diameter)
厚度 / Thickness(mm)	25-100	25-100	25-100

备注：采用标准出口纸板，内套塑料袋。以上标注的为常用标准尺寸，其他尺寸欢迎来电垂询。
Remark: Packing in standard export carton with plastic bag inside. Standard sizes showed as above, for further information, including nonstandard sizes, please contact Zhejiang ASKE.

硅酸钙、珍珠岩加工成型弯头、三通
CALUCIUM SILICATE, PERLITE PROCESSED TO MOLDED ELBOW AND TEE

阿斯克自创成型硅酸钙、珍珠岩弯头、三通，在原有产品基础上，不改变技术参数和特性的情况下，加工成弯头和三通阀门形状，使用更加方便快捷，最大程度的提高客户在工程安装上的效率，为用户大大缩减施工时间和用工成本，也可根据客户的要求特别订制。

ASKE creates full sets of calcium silicate and perlite elbows and tees. Based on the original product and without changing technical parameter and property, ASKE processes into elbow and cross valve shapes which are more convenient and fast for use, increase the engineering installation efficiency at the maximum for customers and greatly reducing the construction time, labor cost and can also customize specially according to the requirements of customers.

规格参照表 / Specifications Table :

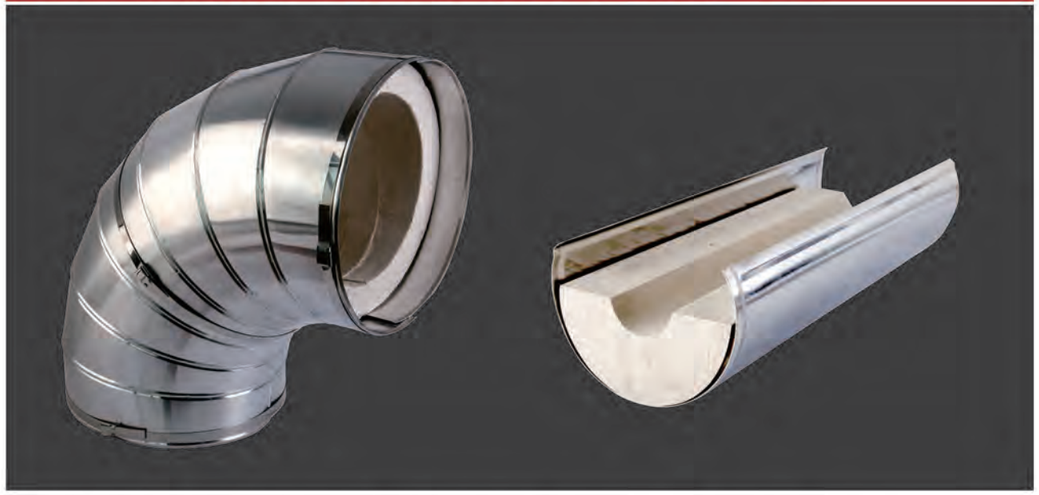
常规 Normal Size : EL:R=D EL-LR=1.5D

名称 Name / 厚度 Thickness (mm)			25	40	50	65	75
直角弯 Right angle bend (二等分 halve)		规格 ID (mm)	φ34、φ42、φ49、φ61、φ76、φ89				
虾米弯 Shrimp bend (二等分 halve)			φ76、φ89、φ102、φ114、				
虾米弯 Shrimp bend (四等分 quartering)			φ141、φ168、φ194、φ219、φ245、φ273、φ303、φ325、φ356				
虾米弯 Shrimp bend (大规格 Large size)			φ409、φ458、φ508、φ559				

弯头制作最大厚度 / Maximum thickness of the elbow produced :

名称 Name / 厚度 Thickness (mm)	虾米弯 Shrimp bend(mm)	直角弯 Right angle bend(mm)
φ76	50及以下 50 & below	50及以下 50 & below
φ89	60及以下 60 & below	60及以下 60 & below
φ102	70及以下 70 & below	70及以下 70 & below
φ114	80及以下 80 & below	80及以下 80 & below
φ141	100及以下 100 & below	100及以下 100 & below
φ168	125及以下 125 & below	125及以下 125 & below
φ194	150及以下 150 & below	150及以下 150 & below
φ219	160及以下 160 & below	160及以下 160 & below
φ245	180及以下 180 & below	180及以下 180 & below
φ273	200及以下 200 & below	200及以下 200 & below

硅保温一体化材料 HEAT INSULATION INTEGRATIVE MATERIAL



减少前期准备工序，大量节省工程时间，根据经验，能够节省安装时的人力和工时达 80% ，是保温工程的一次革命。

Such material can reduce the early-stage preparation working procedures, greatly save engineering time and can save 80% of labor and working hours, so it is a revolution for heat insulation engineering.

ASC HT

硅酸钙保温材料 CALCIUM SILICATE INSULATION MATERIAL

应对高温管道的使用需求而自主首创的以石英砂、石灰为基本原料，采用动态水热合成法生成的耐高温特色硅酸钙保温材料。耐热温度为1000℃ ，具有极高的空隙率，是目前容量最小，导热系数最低的无机硬质保温材料之一。

In order to cater for the use demand of high temperature pipes, the company has taken the initial to create the high temperature resistant calucium silicate heat insulation material which has quartz sand and lime as the basic materials and made by using the dynamic hydrothermal synthesis method. It' s resistant to the high temperature of 1000℃, with extremely high void ratio and currently it is one of the inorganic rigid heat insulation materials that have the smallest volume and the lowest heat conductivity coefficient.

特性 / Performances :

A1 高效率 / A1 High Efficiency:
产品的规格和等分按照最合理的包装运输和简易安装的原则来设定。
Product specifications and sections are based on the reasonable packing during transit and simple installation.

A2 高保温性 / A2 High Insulating Effect:
是目前为止在无机硬质保温材料中导热系数最低的材料，超强的保温效果。
This material has the lowest coefficient of thermal conductivity among the inorganic rigid insulation materials and has super strong insulation effect so far.

A3 高强度 / A3 Superior Strength:
在密度相近时，本产品在无机硬质绝热材料中强度最高，抗压性能更好，不易弯曲。
When the density is similar, the strength of this material is the highest, the compressive performance is better and not easy to bend among the inorganic rigid insulation materials.

A4 无石棉 / A4 Asbestos Free:
产品由亿万年前的藻类化石生产制作而成，绝对不含石棉，对人体无毒无害。
The product is made by algous fossil from millions of year ago, is absolutely asbestos free, innocuous and unpoisonous to the human body.

A5 重量轻 / A5 Super-Light Weight:
比 220 号产品密度更低，导热系数更低，密度更低，营造更完美的保温效果。
Its density and coefficient of thermal conductivity are lower than ASKE CS220, which can create better heat insulation effect.

较普通产品相比优势 / Advantages Compared with General Product :

高保护 / High Protection:
超低的氯离子含量，呈弱碱性，对金属管道有很好的保护作用，极大地延长了管道及设备的使用寿命，极大降低了维护成本，持久保护，更耐用。
The super low chloride ion content and alkalescence have good protection for metal pipes. Which greatly prolong the service life of pipes and equipments and greatly reduce maintenance cost. Lasting protection, more durable.

隔音好 / Nice Sound Insulation:
产品除具有超强保温效果之外，还具有良好的隔音效果，可以有效减少工业噪音。
The product besides for the super strong insulation effect, the product also has nice sound insulation effect and can efficiently reduce industrial noise.

吸附性能好 / Good Adsorption:
本产品具有超强的吸附能力，能高效吸附污水中的磷，达到净化水质的效果，废弃材料还能帮助污水有效除磷，让城市生活更加健康环保。
This product has super strong adsorption capacity, and it can efficiently absorb the phosphorus in water, which can purify water quality. The waste material also can help sewage to remove the phosphorus and make urban life more healthy and environmental protection.

稳定性能好 / Good Stability:
在水中长期浸泡后不会粉化，烘干后保温性能不变。
It will not pulverization when be soaked in water for a long time and its performance remains the same after drying.

防腐蚀性能好 / Good Anticorrosive:
防止腐蚀金属管道，极大延长管道使用寿命。
Preventing corrosion of metal pipe, greatly prolong the service life of pipeline.

不燃性能好 / Good Non-combustible:
防止火灾事故产生。 Preventing fire accidents.

防水性能好 / Good waterproof performance:
不吸油、不吸水。 No oil absorption, no water absorption.

耐辐射 / Radiation resistance:
抗核辐射的性能更是成了工业及生活建筑当中的一大竞争优势，并使产品在环保安全方面又有了新的突破。
Radiation resistance has become a major competitive advantage of industrial and civil construction, and make the new breakthrough in the field of environmental safety.

适用范围 / Applicable Scope :

广泛应用于电力、冶金、石油、玻璃、水泥等工业部门高温处理设备和管道的保温。
It is widely used for heat insulation of the high temperature processing equipment and pipes in such industrial sectors as electricity, metallurgy, petroleum, glass and cement etc.

技术数据 / Technical Data :

TERM		UNIT	ASTM C533	JIS A9510	ZHEJIANG ASKE
密度 Density		Kg/m^3	≤352	≤220	≤200
最高温度 Maximum Service Temperature		℃	1000	1000	1000
弯曲强度 Flexural Strength per ASTM C 203		MPa	≥0.344	≥0.30	≥0.36
抗压强度 Compressive Strength per ASTM C 165		MPa	≥0.689	≥0.45	≥0.85
均匀受热线性收缩 Soaking Heat Linear Shrinkage (927℃)	S length	%	≤2.0	≤2.0	≤0.8
	S width				≤1.0
	S thickness				≤1.4
翻滚质量损失率 Weight Loss by Tumbling per ASTM C 421 (前10分钟 First 10 minutes)		%	≤20	●	≤3.7
翻滚质量损失率 Weight Loss by Tumbling per ASTM C 421 (后10分钟 Second 10 minutes)		%	≤40	●	≤5.6
导热系数 Thermal Conductivity	(93℃)	W/m.k	≤0.078	●	≤0.0690
	(100℃)		●	≤0.065	●

类型 / Item	平板 / Slab	曲板 / Curved	管壳 / Pipe
长度 / Length(mm)	600	600	600
宽度 / Width(mm)	300/150	150/100	0.2"- 60"(直径inside diameter)
厚度 / Thickness(mm)	25-100	25-100	25-100

其他配套材料 OTHER AUXILIARIES

M87-Jian1 抹面材料 / M87-jian1 Rendering Material :

阿斯克独创的新型保温水泥材料，作为保温面层施工中的辅助材料，形成优异抗裂防渗面层，有利于保护保温基层的综合性能，抗渗抗裂性强，广泛应用于各类保温工程中。

As the auxiliary in the construction of heat insulation layer, the new-type heat insulation cement material exclusively created by ASKE forms an excellent anti-crack and penetration resistant surface layer which is beneficial for protecting the comprehensive property of heat insulation basement layer, is powerful in penetration resistance and anti-crack and is widely applied in various heat insulation engineering.

TERM	UNIT	ASKE STANDARD
密度 Density	Kg/m^3	≤900
最高温度 Maximum Service Temperature	℃	649
导热系数 Thermal Conductivity	w/m.k	≤0.18
抗压强度 Compressive Strength	Mpa	≥0.8

Yg粘合剂 / YG Binding Agent :

针对阿斯克独创的抹面材料匹配研发的一种新型保温工程专用粘合剂，在高温下能保持良好的粘接性能和抗腐蚀性，广泛应用于各类保温工程中。

It is a kind of binding agent exclusive for new-type heat insulation engineering that is researched and developed for matching the rendering material exclusively created by ASKE, and being able to maintain very nice sticking property and resistance to corrosion, it is widely applied in various heat insulation engineering.

TERM	UNIT	ASKE STANDARD
密度 Density	Kg/m^3	≤1100
粘结强度 Viscidity Intensity	Mpa	≥0.1

欢迎来电垂询技术指标及产品包装。 For further information, please contact Zhejiang ASKE.

实验中心 LABORATORY

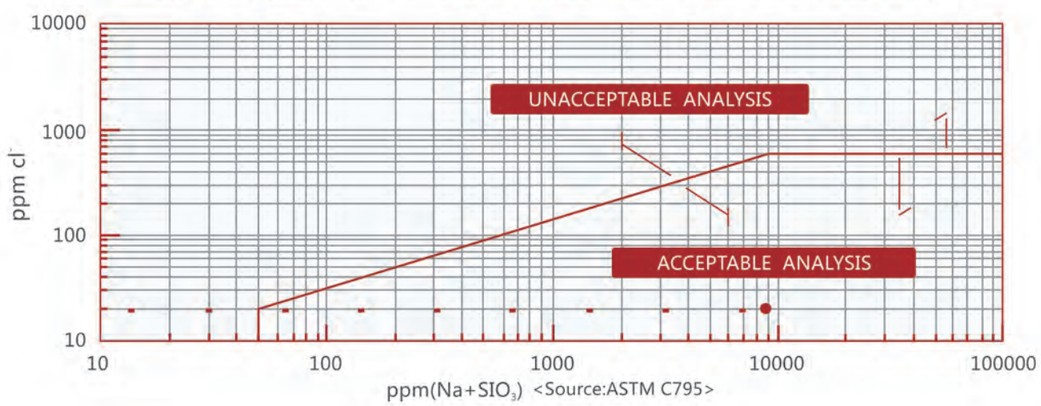
阿斯克高度重视产学研相互结合，目前拥有国家级的一流实验室，高度整合科研资料，并和上海中科院合作研发新型优化产品，筑建起国际一流技术水平的研发基地，有利于装备制造等传统产业和新材料等新兴战略产业的发展壮大。

实验室拥有专业的研发团队，掌握行业内核心技术。阿斯克人相信，只有专业人才的深层磨合和对最新技术执着的探索精神，方能使阿斯克不断提供最具前瞻性的应用和最令客户满意的服务。

ASKE attaches great importance to the mutual combination of production, study and research, and currently it owns a state designated first rate laboratory; the company integrates technology research materials greatly, cooperates with Shanghai Chinese Academy of Sciences to research and develop new-type and optimized products, has built a R & D base of internationally first rate technical level, which is beneficial for the development and expansion of traditional industries including equipment manufacturing etc. and the emerging strategic industries such as new materials etc.

The laboratory owns a professional R & D team and masters the core technology of the industry. ASKE people believe that only with the in-depth running-in of professional talents and the persistent exploration spirit to the state-of-art technology will it be able to make ASKE keep providing the most forward-looking applications and the service most satisfied by customers.

Acceptability of Insulation Material on the Basis of Plot Point of CI^- and (Na^+,SIO_3) Analysis

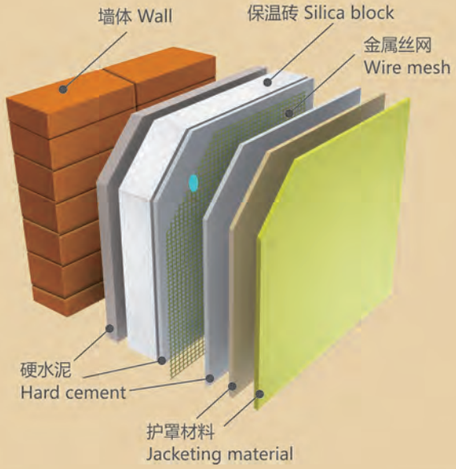


保温安装 INSULATION INSTALLATION

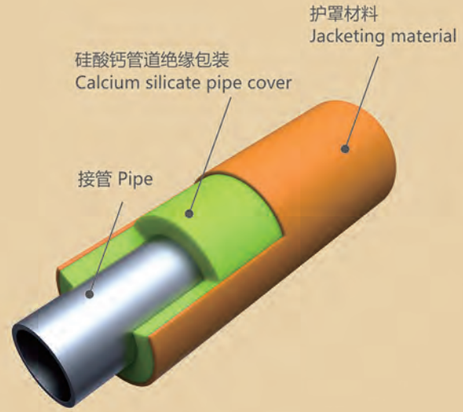
浙江阿斯克拥有自己的工程公司，了解各种工程适用的保温材料，并将以过硬的产品质量，及时满意的售后服务，将阿斯克一流的产品性能发挥到极至，解除您的后顾之忧。

Zhejiang ASKE has own engineering company, which is good at the applications of various insulation materials in different projects， and assure the excellent quality and extreme performance of products， timely and satisfactory after-sales service will relieve customers' worries.

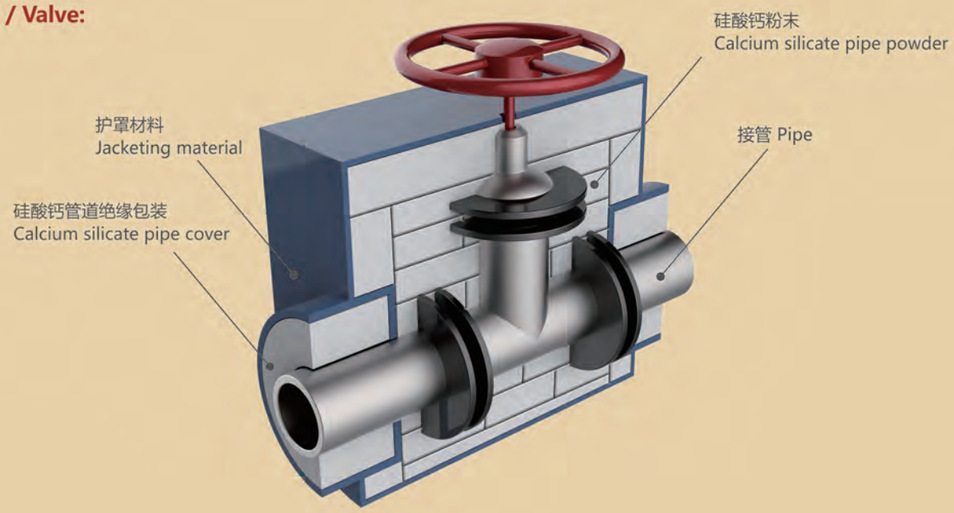
建筑墙体 / Building wall:



普通管线的剖面 / Common line profile:

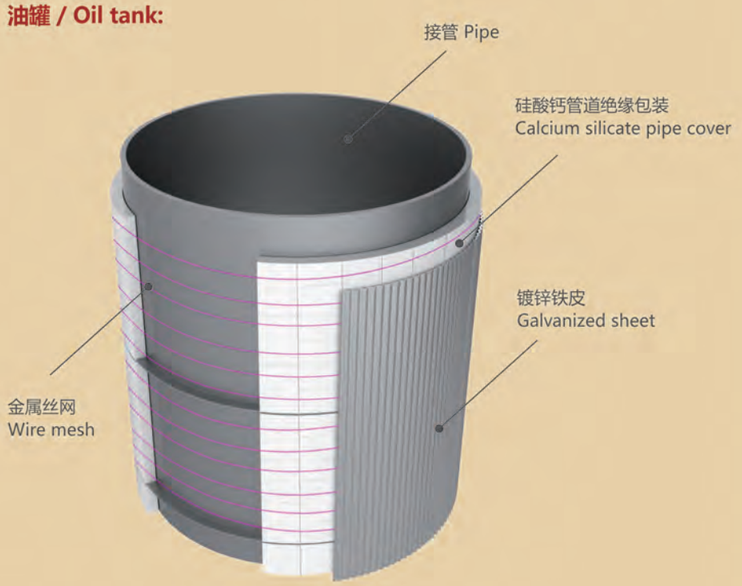


阀门 / Valve:



弯管 / Elbow:

油罐 / Oil tank:



Project 工程业绩

以下▲表示施工及管理 ★表示材料供应
▲ indicates construction & management
★ indicates materials supply as followed

国内工程 / Domestic Project :

大亚湾核电厂（2×900MW）
Dayawan Nuclear Power Plant
秦山核电站一期（1×300MW）、秦山核电站二期（4×650MW）、秦山核电站三期（2×700MW）
Qinshan Nuclear Power Station I Phase（1×300MW）,II Phase（4×650MW）, III Phase（2×700MW）
三门核电一期（AP1000，2×1200MW）
Sanmen Nuclear Power Station I Phase（AP1000，2×1200MW）
海阳核电一期（AP1000，2×1200MW）
Haiyang Nuclear Power Station I Phase（AP1000，2×1200MW）
上海迪斯尼乐园（保温一体化材料）
Shanghai Disney Resort

化工及炼油厂类 Chemical and Refinery :

广州乙烯工程
Guangzhou Ethylene Project
镇海炼化（包括：炼化和发电厂两部分）
Zhenhai Chemical Refinery
Lg丽东化工（青岛）（▲★）
LG Lidong Chemical Plant（Qingdao）
厦门翔鹭化纤厂（▲★）
Xiamen Xianglu Chemical Fiber Factory
扬子石化
Yangzi Petrochemical Plant
仪征化纤
Yizheng Chemical Fiber Plant
台湾大连化工仪征工程（▲★）
Dalian Chemical Plant Yizheng Project
远东联石化（扬州）
Yuandong Petrochemical Co. Ltd.（Yangzhou）
台湾长春化工（常熟）
Changchun Chemical Co., Ltd.（Changshu）
台湾奇美化工（镇江）
Qimei Chemical Co., Ltd.（Zhenjiang）

热电类 Thermal Power :

宁波北仑电厂（5×600MW）
Ningbo Beilun Power Plant（5×600MW）
福建梅州湾电厂（2×600MW）
Fujian Meizhouwan Power Plant
福建邵武电厂
Fujian Shaowu Power Plant
海宁宝峰热电厂
Haining Baofeng Thermal Power Plant
浙江师范大学项目
Zhejiang Normal University Insulation Project
嘉兴发电厂（2×300MW）、（4× 600MW），
Jiaxing Power Plant（2×300MW），（4×600MW）
天津泰达热电（▲★）
Tianjin Taida Thermal Power Plant
江苏常州电厂
Jiangsu Changzhou Power Plant
江西九江电厂（2×300MW）（▲★）
Jiangxi Jiujiang Power Plant
江西南昌电厂（2×125MW）（▲★）
Jiangxi Nanchang Power Plant
昆明滇能电力公司曲靖电厂工程（2×300MW）机组
Qujing Power Plant Project（Kunming Dianneng Power Company）
聊城电厂（2×600MW）
Liaocheng Power Plant（2×600MW）
宁波市北仑电厂保温安装
Ningbo Beilun Power Plant（Installation）
戚墅堰电厂
Qishuyan Power Plant

日照电厂（2×350MW）
Rizhao Power Plant（2×350MW）
山西电厂
Shanxi Power Plant
望亭电厂
Wangting Power Plant
温州发电厂
Wenzhou Power Plant
象山亚源热电厂
Xiangshan Yayuan Thermal Power Plant
珠海电厂
Zhuhai Power Plant
诸暨市八方热电厂
Zhuji Bafang Thermal Power Plant
杭州下沙热电厂Hangzhou
Xiasha Thermal Power Plant
杭州钢铁集团保温工程
Hangzhou Iron & Steel Group Company Insulation Project
马鞍山钢铁集团保温工程
Ma'anshan Iron & Steel Group Company Insulation Project

水电类 Hydropower :

三峡工程（▲★）
Three Gorges Project
杭州富春江水力发电工程
Hangzhou Fuchunjiang Hydroelectric Power Plant
漯河天阳热力工程
Luohe Tianyang Thermal Engineering
广西百色水电站（▲★）
Guangxi Baise Hydropower Station
广西洪家渡水电站（▲★）
Guangxi Hongjiadu Hydropower Station
四川德阳龙头石水电站（▲★）
Sichuan Deyang Longtoushi Hydropower Station
金沙江向家坝水电站（2005-2015）
Xiangjiaba Hydropower Station in Jinsha River（2005-2015）

国外工程
International Project :

韩国 Korea :
Hyundai Oil Bank Project, Korea
Hdo Clean Fuels Project, Korea
LOTTE Daesan Petro Chemial Ncc Project, Korea
Kerawalapitiya CCPP, Korea
Kumho thermal power plant, Korea
S-oil Refinery Project, Korea
Inchon CCPP, Korea
SIN Koni Unit 1-FWPT, Korea
Dang-Jin TPP #7&8 power plant, Korea

印度尼西亚 Indonesia :
Lahendong Project
Suban Phase 2 Gas Project
Boiler 110T/H-Cilacap Project
Blue Sky Project
Patuha Project
Chandra Ethylene Revamp Project
Banyu Urip Oil and Gas Project
Cilegon Combined Cycle Power Plant (740MW)
Cirebon project
Expanison of 2×660MW Tanjung JATI-B Coal Fired Power Plant
Cilegon Combined Cycle Power Plant (740MW), Indonesia
Cirebon Power Plant Project, Indonesia

泰国 Thailand :
Wang Noi CCGT Power Plant, Thailand
800MW Chana-2 CCGT Power Plant, Thailand
South Bangkok Power Plant, Thailand

马来西亚 Malaysia :
3×700MW Coal Fired Power Plant, Tanjung Bin Johor, Malaysia
2 ×700MW Coal fired Power Plant, Jimah Negeri Sembilan, Malaysia

新加坡 Singapore :
PCS (Petro Chemical Singapore) III Project
SRC (Singapore Refinery Company) Clean Fuel Project

越南 Vietnam :
2×110MW unit project for Son Dong Power Plant, Vietnam (2008)
Camau Gas-Power-Fertilizer Project, Vietnam (2008)
Nhon Trach 1 Combined Cycle Power Plant Project, Vietnam (2010)
Mong Duong 1&2 Thermal Plant Project, Vietnam (2014)

沙特阿拉伯 Saudi Arabia :
Kemya Elastomer Project
Grass Root Combined Cycle Power Plant
Rabigh Independent Power Project
Qurayyah CCGT Power Plant
Yanbu Export Refinery Project (YERP)
Yanbu Power Plant Phase 3
Saudi kayan ACP Project

阿联酋 United Arab Emirates :
S2 Project

科威特 Kuwait :
Hdo Clean Fuels Project
SABIYA CCGT Power Plant Project
Az-Zour North Independent Water and Power Project, Kuwait

卡塔尔 Qatar :
Q-chem II Project
Qatalwm Hrsg Project
New Doha Internationma Airport Project

伊朗 Iran :
Ilam Gas Treating Plant- (Nigc)
LA-SA Cement Project

苏丹 Sudan :
Melut Basin Oil Project
Suban Phase 2 Gas Project

约旦 Jordan :
Samra Power Station combined cycle Plant

阿曼 Oman :
Sohar Project

利比亚 Libya :
Brega Libya Gsplaj Project

澳大利亚 Australia :
Millmerran Plant (2×400MW)

秘鲁 Peru :
Chilca Cement Plant

智利 Chile :
Chile Delayed Coker Complex Project
Angamos Power Plant Under construction

印度 India :
Mundra UMPP (5×800MW)

美国 USA :
McDonough#4,5,6
Rastanura (Rastanura Refinary (GOSP)) Project
Chevron Phillip (Integrated Styrene) Project
Sipchem (Acetyle Complex) Project
Safco V (Urea Plant Expansion) Project
Tunku Jaafar Power Plant Port Dickson Rehabilitation Project-Phase II
Bang Pakong Combined Cycle Power Plant Block 5

PROFESSIONAL
Insulation for the World
为全球专业的绝缘

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