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SUPERIOR THERMAL INSULATION MATERIAL MANUFACTURER

高品质保温材料制造商



上海新型建材岩棉有限公司
SHANGHAI ABM ROCK WOOL CO., LTD.

30+

Years Of Industry
Experiences

30+

National Patent
Technologies

40+

Participation In
National Standards

5000+

Well-Known
Projects

LEADING THE
INDUSTRY

BUILDING
THE FUTURE

Global climate change caused by excessive greenhouse gas emissions and extreme weather events have already had a significant impact on human production life, and they are great concerns to the international community. As a mission to build a community of human destiny. China has committed to the world to complete the "double carbon" goals and is moving towards a positive development path that relies on technology and digital empowerment.

Shanghai ABM rock wool Ltd. is a leader and innovator in the insulation industry, we are constantly reducing energy consumption and carbon emissions in the production process while providing more eco-friendly and low-consumption insulation materials for building insulation, industrial efficiency-energy and the "new infrastructure" emission reduction update. From a whole life cycle analysis, when rock wool is applied to building insulation, the energy saving is over 100 times than the energy consumed in rock wool production; when it is applied to industrial insulation, this comparative data can reach even more than 5000 times. At the same time, compared to other insulation materials, rock wool brings more positive benefits to the environment, which meets the requirement of sustainable development of eco-friendly materials.

We will always follow the original intention of quality and innovation, and continue to lead the industry in green and low-carbon development with high-quality products and thoughtful services.

PROFILE

Shanghai ABM rock wool Ltd. ("ABM") is a national high-tech enterprise integrated with R&D, production and sales. It is focusing on providing specialized fireproofing, thermal insulation and sound absorption system solutions for global high-end customers. ABM always takes customers and market demand as the priority, provides high quality products and services as the purpose. The company has always maintained the advanced position of leading technology and equipment, complete product range and the widest application field in China. So that a series of innovative technologies and products come out and fill the technology gaps to continuously leading the industry development.

ABM was founded in 1986 with a registered capital of US \$61,000,000. Headquartered in Shanghai Hongqiao CBD, the production base is located in Dafeng District, Yancheng City, Jiangsu Province, covering more than 230,000 sqm factory. With a total investment of US \$94,000,000, the base has imported a full set of 2 international advanced automatic rock wool production lines with an annual capacity of 70,000 tons. It is the technology and facilities' leading green manufacturing base in the Asia Pacific region with the biggest single-line investment. The production process has achieved zero solid waste and waste water discharge, ultra-low emissions of waste gas, has reached the advanced standards of the European industry, ABM has been the benchmark of the Chinese rock wool green manufacturer industry.

Over these years, ABM has achieved full coverage of various products in four major application fields: construction, industry, marine and planting with advanced technology and equipment, strict standard management, reliable product quality and perfect service concept. It has two famous brands "樱花®" and "ABM®" and the exclusive cultivation brand of "UPuper®". ABM has earned an extremely high reputation in both domestic and international markets by continuously providing high quality rock wool, glass wool and other insulation materials with highly cost-effective products to middle-high-end customers world-wide.



Values

Integrity, excellence, innovation, responsibility



Vision

To be the continuous leader of rock wool industry in China



Mission

Building a low-carbon society and serving a healthy life by providing highly competitive rock wool products

BRANDS



Chinese leading high-quality insulation materials producer.

櫻花® was founded in 1986 at the beginning of the company's establishment and successfully registered in 1999. It is focusing on providing a full range solutions of fireproof insulation, sound absorption and noise reduction, energy saving and consumption reduction system for domestic construction and industrial fields. It has been awarded as "Shanghai Famous Trademark", "Shanghai Famous Brand Product", "Shanghai Famous Product of Building Materials", "Jiangsu Famous Brand Product" etc. titles. ABM has become a synonym for high-quality insulation materials in China.

A competitive Chinese brand in world-wide.

ABM®

ABM® specializes in providing professional and comprehensive system solutions for fireproof and thermal insulation, sound absorption and noise reduction, energy saving and consumption reduction for overseas projects of construction, industry and maritime fields, etc. ABM® is highly recognized by overseas customers by excellent production experience and product quality, superior corporate reputation and customer service. ABM® is registered in more than 20 countries around the world and has been awarded CE, UL, FM, GOST, Clean Air Gold and Marine MED, ABS, LR, NK, KR, CCS and other international certifications. It is a well-known nationally competitive brand.

Soilless substrate exclusive brand



UPUPER® is the exclusive brand of the soilless substrate, providing "accurate, efficient, green and safe" quality rock wool substrate for modern facility agriculture, so that growers can get more economic returns and consumers can taste more delicious and safe fruits and vegetables. UPUPER® rock wool substrate can meet the growing needs of different plants at all stages to help modern agriculture to develop with high efficiency and lead the way to a bright future of high-end intelligent agriculture!



MILESTONE



1986
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2000

2001
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2006

2007
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2010

2011
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2015

2016
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2020

2021
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1986

The company was founded and imported a whole set of fully automatic rock wool production line from Japanese NITTO DENKO CORPORATION.

1992

ABM self-developed wire sewing process and achieved full-automatic mechanical processing for solving the problem of large diameter industrial equipment and pipeline's insulation.

1999

Successfully developed core materials for color steel sandwich panels with mechanical properties and indoor rock wool purification panels; started the purification application of rock wool panels and built a solid foundation for the future application of rock wool sandwich panels for peripheral protection; successfully developed the first generation of rock wool substrate and cooperated with Sunqiao Urban Agricultural District which is the first modern greenhouse in China to conduct experiments; successfully registered the brands of "樱花®" and "ABM®".

2000

Cooperated with the United States Specialized WIT company, the first time to apply the rock wool in the external wall insulation system, and jointly compiled the Shanghai building products recommended general atlas "external wall insulation and waterproofing system of building construction".

2002

Fill the Chinese technology gaps by self-researching and developing the first domestic drum collector, pendulum and pleating process of rock wool production line. The application of the pendulum and pleating process successfully laid a solid foundation for the later production of products with good mechanical properties.

2004

It is the first case in China that rock wool is applied to flexible roll roofing, which lays a solid foundation for the large-scale use of rock wool in single-layer waterproof roll roofing in the after years.

2005

The second generation of rock wool upgraded successfully.

2006

Chinese first case to apply rock wool in the exterior insulation system of high-rise buildings. At the same year, ABM successfully developed low chlorine and fluorine products.

2007

Researched and determined the technical indexes of rock wool board and rock wool fireproof isolation tape products that applied in thin plaster external wall insulation system. Exported to Europe in large quantities to further improve the international reputation. Provided a lot of data and experience for the future Chinese related system's rock wool application and product standards. At the same year ABM was named as "industrial landmark enterprise ", China Building Materials Federation national building materials system "Advanced Enterprise by New Arrivals" and other honorary titles.

2008

Successfully developed rock wool for curtain wall fireproofing and blocking, achieving different fireproofing effects of 1 hour, 2 hours, 3 hours and 4 hours.

2009

Obtained CE certification; started to develop marine A60 and A30 series products

2010

Development of lightweight rock wool insulation system for dry hanging curtain walls (Safe-Curtain system). Reducing self-weight while ensuring the energy saving performance of the building.

2011

The marine A60 bulkhead and deck have passed the test and obtained the certification of the world's major classification societies. It has successfully entered the shipbuilding and outfitting plate decoration markets in Japan and South Korea, and has received unanimous praise from major shipowners and shipyards.

2013

Obtain FM certification; The first production line of Dafeng production base was fully completed and put into operation.

2014

Marine A30 bulkhead and deck passed the test and obtained the certification of major classification societies in the world; The third generation rock wool substrate was successfully upgraded and began to be applied on a large scale.

2015

The second electric furnace production line of Dafeng production base was fully completed and put into operation while the waste recycling system was put into use to achieving zero discharge of solid waste.

2016

Officially start using UPuper® Rock wool soilless cultivation substrate brand, the products are sold world-wide, and are highly recognized by domestic and foreign growers.

2018

A60 sound insulation floating floor has passed the test and obtained the certification of major classification societies in the world.

2019

Obtained UL certification; Promote the green buildings' supporting application in greening of roof, three-dimensional structures and plant wall, solve various maintenance problems of high-altitude greening; Successfully developed biosafe® ecological rock wool series products; Successfully registered "UPuper®" Rock wool brand.

2020

Successfully developed rock wool series products for anti-smoke duct and floating floor.

2021

Biosafe® Ecological rock wool series products have obtained the ecological certification of CLEAN AIR of United States, we have become the first enterprise that pass the certification in the Chinese insulation industry.

Makes buildings

ENERGY SAVING

Rock wool panels for construction with A1 level character of non-combustibility can effectively prevent the spread of fire and will not produce toxic smoke and dripping in case of fire, which the fire safety performance of the building has been greatly improved; The product has excellent thermal insulation performance, which can not only effectively reduce the heat loss of the maintenance structure and Low building energy consumption, but also reduce greenhouse gas emissions, making the building more energy-saving and environmentally friendly; Its excellent vapor permeability can promote the humidity of the outer envelope exhaust air as soon as possible to avoid mildew and bacteria breeding in buildings due to condensed water, creating a healthy indoor environment and improving the comfort of buildings; And its unique porous fiber structure can efficiently absorb sound energy, thus reducing indoor noise pollution, improving the sound insulation capacity of the system, creating a healthy sound environment; The product has stable physical and chemical properties, anti-bacterial, mildew-proof, anti-aging and corrosion-resistant, and it provides long-term protection for buildings. Products are widely used in new, renovated and expanded civil and industrial buildings.

Application	Residential product	Industrial product
Wall	BIOSAFE® Rock Wool Board External Thermal Insulation Lamella External Thermal Insulation Board Glass Wool Board / Blanket Curtain Wall Fire Stop Board SafeCurtain Rock Wool Board	BIOSAFE® Rock Wool Board External Thermal Insulation Board Glass Wool Board / Blanket Sandwich Panel Core Insulation
Roofing	BIOSAFE® Rock Wool Board External Thermal Insulation Board External Thermal Insulation Lamella	BIOSAFE® Rock Wool Board Curtain Wall Fire Stop Board External Thermal Insulation Board Glass Wool Board / Blanket Sandwich Panel Core Insulation High Strength Roof Insulation Board
Partition	BIOSAFE® Rock Wool Board Glass Wool Board / Blanket External Thermal Insulation Board	BIOSAFE® Rock Wool Board External Thermal Insulation Board Glass Wool Board / Blanket Curtain Wall Fire Stop Board
Floor	BIOSAFE® Rock Wool Board External Thermal Insulation Board Floating Floor Rock Wool	BIOSAFE® Rock Wool Board External Thermal Insulation Board
HVAC	Fireproof Rock Wool Board Glass Wool Board External Thermal Insulation Board	Fireproof Rock Wool Board Glass Wool Board External Thermal Insulation Board

Makes industry

MORE EFFICIENT

Industrial rock wool panels have good thermal stability and high temperature resistance, which can be used in facilities and equipment below 700 °C for thermal insulation effect. Relying on low thermal conductivity and excellent thermal insulation performance, the heat loss during operation of industrial equipment and pipelines is greatly reduced, thus improving energy efficiency and conducive to industrial energy conservation. Simultaneously, rock wool can effectively reduce the operating noise of the equipment and improve the working environment thanks to its good anti-vibration and noise reduction performance. Products are widely used in all kinds of high temperature storage tanks, boilers, equipment and pipelines of nuclear power plants, power plants, chemical plants, oil refineries, pulp mills, steel mills and other industrial fields.

Application	Product
Tanks insulation	Industrial Board/Blanket Industrial Wire-meshed Blanket
Heat exchangers & vessels	Glass Wool Board / Blanket Industrial Board/Blanket Industrial Wire-meshed Blanket
Pipe insulation	Industrial Pipe Section Industrial Board/Blanket Industrial Wire-meshed Blanket
Boiler insulation	Industrial Board/Blanket Industrial Wire-meshed Blanket
Acoustic rock wool	Glass Wool Board / Blanket Industrial Board/Blanket Industrial Wire-meshed Blanket
Air separation plant	Granular cotton



Makes marine & offshore

MORE SECURE



A60 and A30 rock wool panels have high grade for fire resistance character, which can effectively prevent the spread of fire and reduce heat transfer. In the situation of continuous fire and high temperature, they do not generate toxic fumes and droplets and keep structures stable and non-collapse to fight for rescue and provide timelines of defense for life. Rock wool can efficiently absorb sound energy, thus reducing the noise interference from the outside world and improving the system sound insulation capability, creating a quiet cabin environment and guarding the private space. The products are widely used in decks, bulkheads, smoke shields, spray pipes, pipes, floating floors, air-conditioning ventilation pipes and various pipelines of offshore platforms, luxury cruise ships and various functional ships.

Application	Product
A-class Constructions	A-30 Marine Board A-60 Marine Board
Comfort & Acoustic	Marine Board/Blanket Pipe Section Marine Wire-meshed Blanket
Floating Floor	Marine sound insulation rock wool board A-60 floating floor rock wool board
Marine Outfitting Board	Marine Rigid Slab Marine Slab
Draught Stopper	Marine Board/Blanket
Sprinkler Pipe	A-60 Pipe Section A-60 rock wool tube/felt



Makes soilless culture

MORE PRECISE

The rock wool substrate itself with the characteristics of non-toxic and sterile does not contain pathogenic bacteria, eggs, thus can be used without disinfection or repeated rinsing. It can provide plants roots with comfortable growth environment to achieve high yield with high quality; Rock wool substrate itself does not absorb, consume, or precipitate any nutrients due to its inert materials ,realizing what you give is what you get and greatly improving the utilization rate of water and fertilizer, facilitating precisely control for soilless cultivation, therefore improving fruits and vegetables quality; Rock wool substrate can prevent plant pests, soil pollution and soil erosion and compaction from the traditional growing patterns; Through soilless cultivation using rock wool has broken the dependence on growers' experience and natural conditions. The products are widely used in modern greenhouses for hydroponics, professional automatic seedling & propagation factories, stereo greening, Plantwalls and home gardening.

Seedling plug(CP)

Round Plug	CP R20 CP R20 tray
Trapezoid plug	CP T25 CP T36
Square plug	CP S40 CP S50

Cultivation Cubes(CB)

Grow cube 75	CB 75S
Grow cube 100	CB 100S CB 100M CB 100L
Grow cube 150	CB R150S CB R150M

Colonization Master/Slab (CM/CS/CV)

Colonization Master	CM 15 PRO CM 20 PRO
Colonization Slab	CS 75 CS 100 CV U 75 CV U 100 CVP 75 CVP 100

Growing Slab (GS)

Growing Slab
GS 12 GS 25 GS 30

* For other special requirements, please reach out to our sales manager for help.

PROJECTS



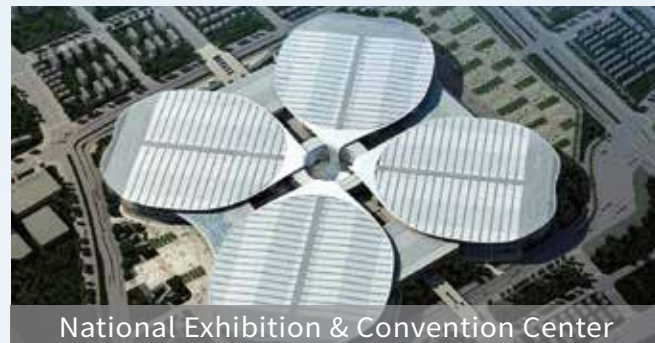
Shanghai CBD



Egypt CBD



Beijing Daxing Airport



National Exhibition & Convention Center



NIO Car Factory



Wacker Chemie (Nanjing)



RUWAIS Refinery (UAE)



FPSO (SBM)



Global Mercy



COSL 944



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ASIA BEST MANUFACTURER



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