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ROCKWOOL CHINA



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ROCKWOOL Group

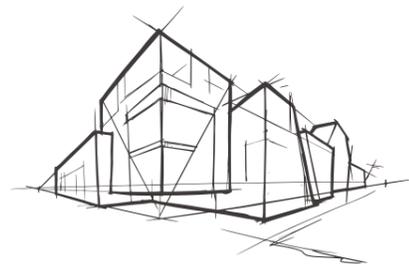
We are the world leading stone wool manufacturer, with innovative products and systems, committed to protecting the environment and improving people's life.

ROCKWOOL Group is a global leader in thermal insulation, providing world-class products and solutions to building structures. Our products help secure fire safety and reduce energy consumption of buildings, coupled with excellent performance in sound absorption, noise reduction and indoor comfort. ROCKWOOL provides green solutions for the horticulture industry, special engineered stone wool fiber for the manufacturing industry, as well as effective insulation solutions for refining and processing industries, marine and offshore industries and other areas. We also have acoustic and vibration reduction system for modern infrastructure construction.

ROCKWOOL Group has a major market share in Europe, but we have also actively expanded our market in Russia, North America, India and East Asia, with more production, sales and service activities operating locally. ROCKWOOL Group's global network helps promote our products and systems around the world.

In China, ROCKWOOL provides a wide range of products for building insulation and other industrial areas that cater to different applications. We have more than 20 years of exploration and operation in China. ROCKWOOL stone wool is integrated with several excellent strengths: fire resilience, thermal properties, acoustic capabilities, durability and sustainability etc. Our products can stand the test of time. They protect buildings and people in any environment while reducing the carbon footprint. ROCKWOOL protects the environment and makes our society develop with a more sustainable approach.

ROCKWOOL China has an annual stone wool production capacity of 110,000 tons in Guangzhou and Yangzhou, and subsidiaries located in Beijing, Guangzhou, Hong Kong, Taiwan, Philippines and other major cities at present.



46

Manufacturing facilities

100+

Countries sales coverage

11,000+

Employees globally

80 – 1,500 times

Ratio between energy saved during product life against energy used for production per unit is 80-1,500 times



Why this matters?
The world has some big challenges...

Release the natural power of stone to enrich modern living

The world is facing multiple challenges to sustainable development: huge dependency on non-renewable energy, the severity of climate change and environmental crisis, haunting problems in food, increasing water shortage and more. They are issues in dire need of solutions for human society. As urbanization accelerates, there are 1,500,000 people migrating to cities across the globe every week. The need to secure safety, comfort and health in all cities therefore becomes more urgent.

The United Nations set up 17 sustainable development goals, e.g. zero hunger, clean water and sanitation, sustainable cities and communities, affordable and clean energy, and responsible consumption and production. ROCKWOOL will continue to lead in stone wool production and application and to play our role in helping address development issues faced by human society.

Our raw material is stone, an abundant natural resource. ROCKWOOL stone wool insulation has excellent performance in enhancing building fire safety and energy efficiency; Rockfon stone wool ceilings help to reduce negative influence by noises on human health; Rockpanel exterior cladding offers an innovative solution to building aesthetics and safety; Grodan horticultural substrates improves production with less water, contributing to water protection and hunger reduction; Lapinus engineered fiber helps make travel safer with its wide application in modern transport, anti-vibration and water treatment.

ROCKWOOL Group is committed to exploring the natural power of stone to help cope with today's challenges on the path to sustainable development such as energy consumption, noise pollution, fire threat, water shortage and floods. We are there to help people have a higher quality of living and experience the beauty of modern life.

Release the natural power of stone ▶

External

-  Recyclable, natural and abundant volcanic stone
-  Insight from customers, industry experts and science
-  Capital invested

Internal

-  A skilled and diverse workforce
-  Operations & technology
-  Sustainable research

Purpose ▶

-  Energy efficiency
-  Acoustic comfort
-  Renovation
-  Fire resilience
-  Urbanisation/ sustainable cities
-  Precision growing
-  Aesthetics and design

Enriched modern living

-  Empowering all of our stakeholders to rise to the development challenges of modern living
-  Customer value and satisfaction
-  High quality products, systems and services
-  Job creation and competence building
-  Return to shareholders
-  Contributions to society and environment

Our Strengths

Strong Foundations

Providing fire safe insulation solutions for buildings and industrial constructions is our core business. What really helps us stand out amongst competitors are the intrinsic values behind our products:

- Globalized operation of the ROCKWOOL Group;
- Nearly 20 years' experiences in the Greater China market;
- Advanced production facilities and technologies;
- Continuous innovation culture;
- Professional value-added services and a profound knowledge base;
- Responsibilities to the society and environment.

Professional services and knowledge

ROCKWOOL China not only provides high quality stone wool products and solutions, but also provides associated professional services which are built on solid foundation of thermal insulation and fire safety knowledge and experience.

With decades of extensive experiences in building insulation, industrial technical insulation and energy efficiency solutions with stone wool, ROCKWOOL China professionals provide technical services and assistance to architects, engineers and builders on optimal solutions with stone wool from design to on-site installation of their projects.

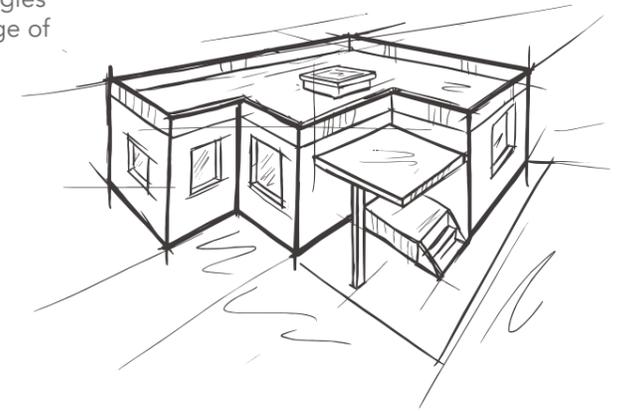
ROCKWOOL China contributes also to the establishment of proper standards and building codes by sharing knowledge and experience with the vision of building Green and Fire Safe Buildings for China.

Continuous innovation in products and solutions

In addition to a full range of insulation products and solutions for buildings and industrial constructions, the ROCKWOOL Group continues to develop innovative and diversified applications and solutions. Stone wool based non-insulation products and systems include Grodan horticultural substrates, Rockfon acoustic ceilings, Rockpanel façade panels, Lapinus engineered fibres, Rockdelta noise and vibration control system, etc.

ROCKWOOL DD series entered the China market in 2015. With more than ten-year development in Europe, technologies used for this series are very matured. There are a wide range of great benefits such as light in weight, low thermal conductivity, high mechanical strength and excellent sound insulation. No matter where they are applied, whether it is external wall insulation, curtain wall, partition wall or roofing system, ROCKWOOL DD series always presents excellent performance.

Rockfon acoustic ceilings and Lapinus engineered fibres offerings have already been introduced into China. In the future, we expect to make more innovative products and solutions available for customers in China by investing in production facilities and technologies in China.

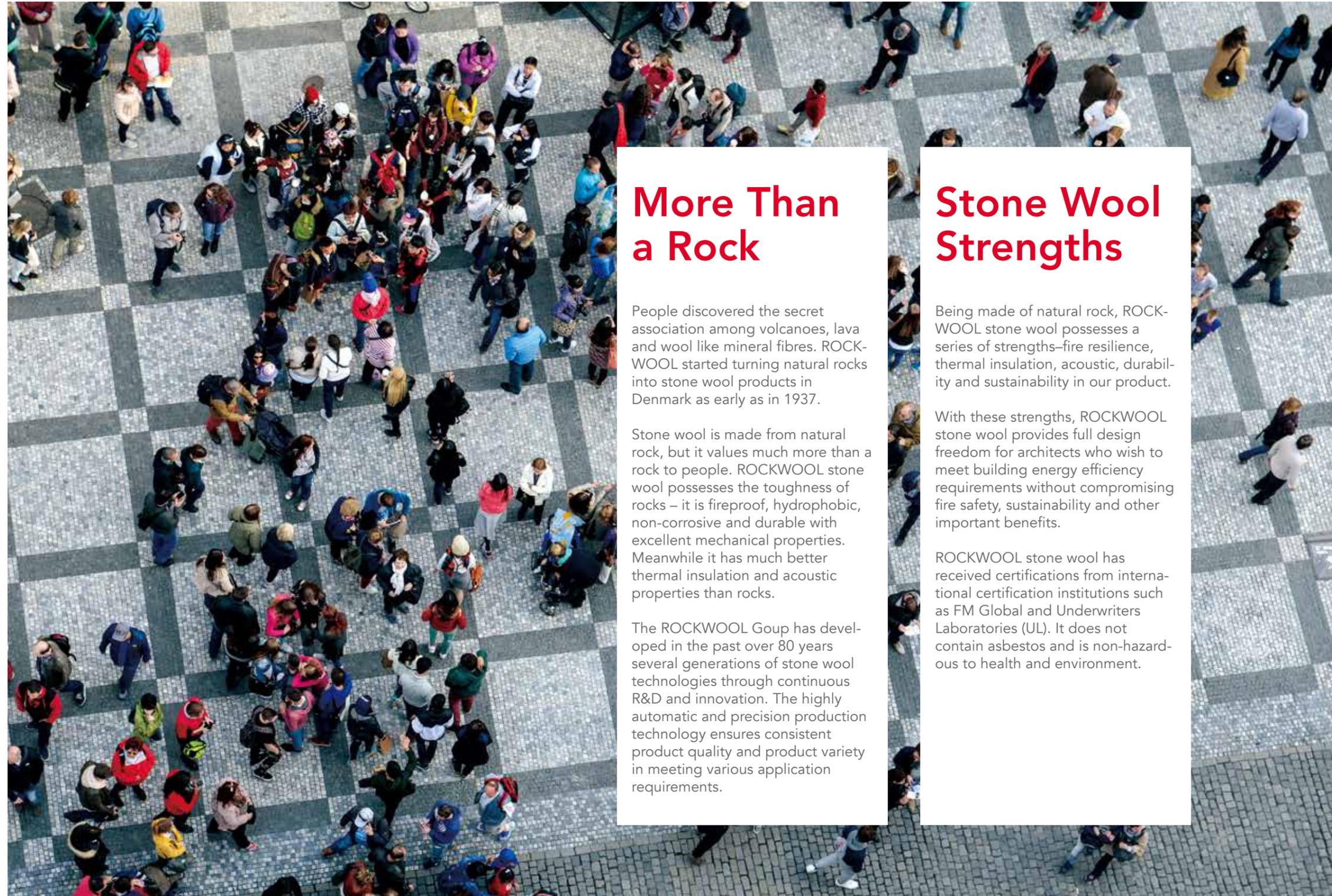


Responsibility to the Environment and Society

ROCKWOOL commits itself to protect lives and foster sustainable development through fire safe, energy efficiency and comfortable buildings. We offer durable solutions to building insulation, ensuring these benefits would be enjoyed by next generations and keeping protect people in the buildings from fire. Our products help improve energy efficiency and reduce carbon footprint while creating a quality environment by isolating people from noises.

ROCKWOOL China embraces and pursues sustainable development in every aspect of production and operational processes, including use of sustainable raw materials, recycling of waste products, and utilization of residual heat, etc. ROCKWOOL China has also invested heavily in minimizing emission to a level which meets the strictest requirements.

We are a socially responsible company. ROCKWOOL cares about sustainable development and takes action to realize its corporate social responsibility. In Tianjin, we carried out Zhutanghuang Middle School energy upgrade program as one of our many ways to give back to society. ROCKWOOL believes, if stone wool can be applied in a wider range, its influence in addressing social and environmental problems will become even stronger.



More Than a Rock

People discovered the secret association among volcanoes, lava and wool like mineral fibres. ROCKWOOL started turning natural rocks into stone wool products in Denmark as early as in 1937.

Stone wool is made from natural rock, but it values much more than a rock to people. ROCKWOOL stone wool possesses the toughness of rocks – it is fireproof, hydrophobic, non-corrosive and durable with excellent mechanical properties. Meanwhile it has much better thermal insulation and acoustic properties than rocks.

The ROCKWOOL Group has developed in the past over 80 years several generations of stone wool technologies through continuous R&D and innovation. The highly automatic and precision production technology ensures consistent product quality and product variety in meeting various application requirements.

Stone Wool Strengths

Being made of natural rock, ROCKWOOL stone wool possesses a series of strengths—fire resilience, thermal insulation, acoustic, durability and sustainability in our product.

With these strengths, ROCKWOOL stone wool provides full design freedom for architects who wish to meet building energy efficiency requirements without compromising fire safety, sustainability and other important benefits.

ROCKWOOL stone wool has received certifications from international certification institutions such as FM Global and Underwriters Laboratories (UL). It does not contain asbestos and is non-hazardous to health and environment.

ROCKWOOL Projects

Project	Location	Application	Product	Time of delivery
Guangdong Lingao Nuclear Power Plant	Shenzhen	Technical Insulation	RT	2001
Guangzhou Baiyun International Airport	Guangzhou	Building insulation	TR	2003
Beijing Olympic Village	Beijing	Building insulation	TR	2006
Houshi Power PLant	Zhangzhou	Technical Insulation	RT	2008
Nine Dragons Paper Tianjin Production Base	Tianjin	Technical Insulation	RT	2009
Inner Mongolia Hongyun Cigarette Factory	Ulan Hot	Sandwich panel	SR	2009
Suzhou Xukou Middle School	Suzhou	ETICS	RB	2010
Hysan Place	Hong Kong	Building insulation	TR	2010
CCTV Attached Building Reconstruction	Beijing	Passive fire protection	RS	2011
Daqing No.9 Oil Production	Daqing	ETICS	RB	2011
Formosa Plastics Vietnam Project	Vietnam	Technical Insulation	RT	2012
Beijing Benz No.1 Plant West Expansion	Beijing	ETICS	FR	2012
Beijing Institute of Technology	Beijing	ETICS	RB	2012
Mars Food Factory in Beijing	Beijing	Flat roof insulation	HR	2013
Mingle Place Hotel	Hong Kong	Building insulation	TR	2013
Sanya Shanhaitian Hotel	Sanya	Building insulation	TR	2013
Guangzhou Benz Logistic Warehouse	Guangzhou	Flat roof insulation	HR	2014
SAIC Volkswagen Engine Factory	Shanghai	Flat roof insulation	HR	2014
Zhuhai BP Chemical PTA Three Projects	Zhuhai	Technical Insulation	RT	2014
Disney Fantasyland	Shanghai	Building insulation	TR	2014
Shenyang New World EXPO	Shenyang	ETICS	FR	2015
Dalian Petrochina Mansion	Dalian	Building insulation	TR	2015
Dalin Power Plant	Taiwan	sandwich panel	CR	2015
CCP Zhangbin Plant	Taiwan	Technical Insulation	RT	2015
Sinopec Maoming Petrochemical company Annual Overhaul Project	Maoming	Technical Insulation	RT	2010-2015
Lanzhou University Faculty Residence Building	Lanzhou	ETICS	FR-DD	2016
Hyundai Motor Company Plant	Cangzhou/Chongqing	Flat roof insulation	HR	2015-2016
China Aviation lithium Battery Plant	Luoyang	Flat roof insulation	TR-DD	2015-2016
Guangzhou CTF Finance Centre	Guangzhou	Passive fire protection	RS	2015-2017
Shenzhen Pingan IFC	Shenzhen	Passive fire protection	RS	2015-2017
Shenzhen Tencent Building of Binhai	Shenzhen	Passive fire protection	RS	2015-2017
CITIC Tower	Beijing	Building Insulation	TR	2016-2018
Wuhan Huawei	Wuhan	Building Insulation	TR	2017
Southeast Shipping of Xiamen	Xiamen	Building Insulation	TR	2017
Lize Financial Center D-10	Beijing	Building Insulation	TR	2018
Chengdu Greeland	Chengdu	Building Insulation	TR	2018
Everdisplay New Plant	Shanghai	Sandwich panel	CR	2018
Beijing New Airport South Airlines Base	Beijing	Flat roof insulation	HR	2018
Exop Green Valley	Shanghai	Passive fire protection	RS	2019
Zhenru sub center	Shanghai	Passive fire protection	RS	2019
Tai Wai station	HongKong	Passive fire protection	CUR	2019

