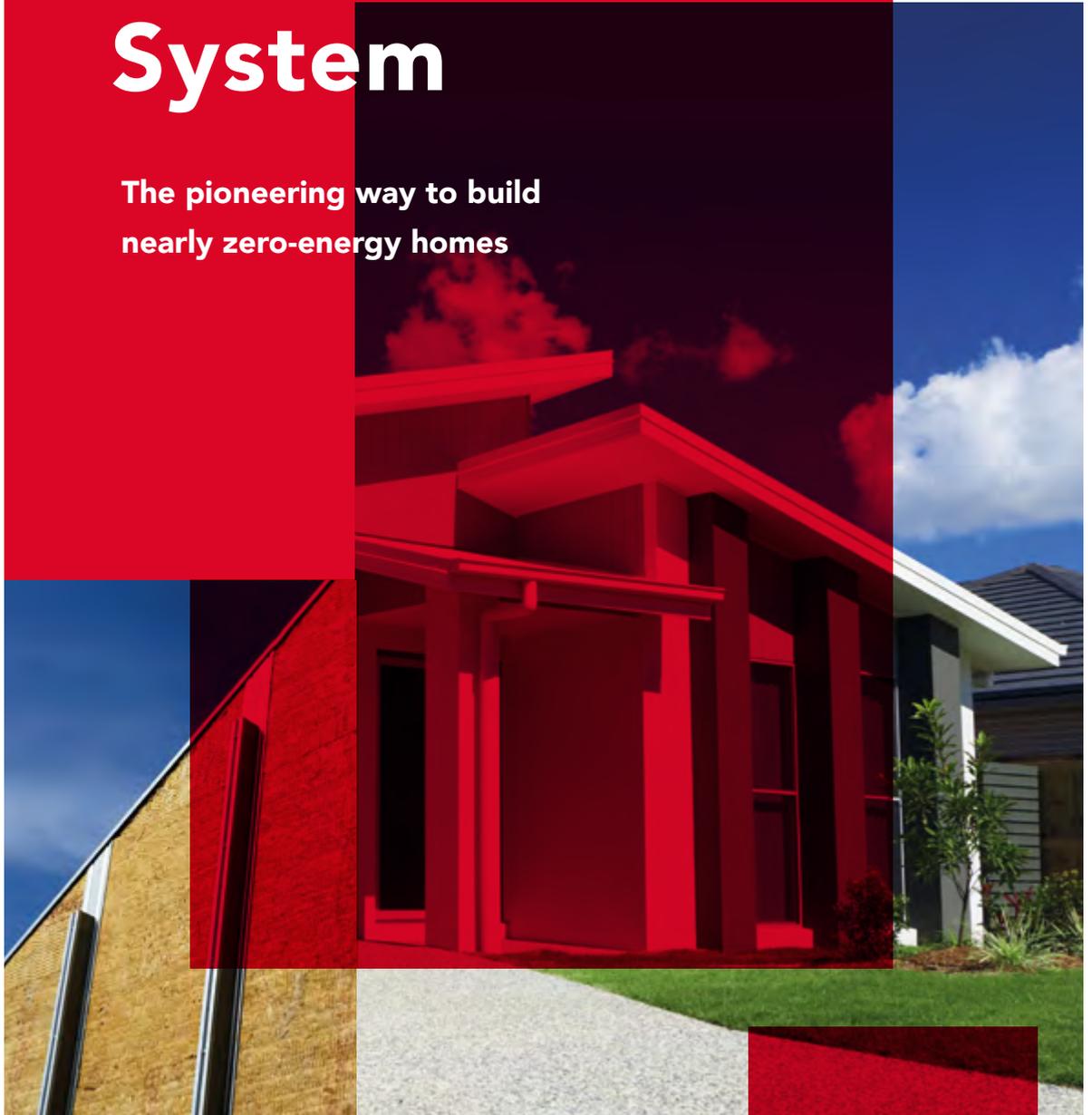


# Rockzero System

The pioneering way to build  
nearly zero-energy homes



IF YOU BUILD SOMETHING  
**IT SHOULD STAND FOR SOMETHING**





Sustainability is now one of the defining issues of our times.

When you build something, it should stand for something.

For millennia humans have built walls. For protection, comfort and privacy.

A wall's purpose is as important as the way it's built. And now they can finally stand for more.

Innovating for the planet's future. Building a sustainable way of living. Comforting our children's children.

We stand for the future. Pioneering new ways to build. Developing wall systems with stone wool insulation.

Building sustainable homes is now easier. Getting nearly zero-energy ratings is now easier. Protecting families for generations is now easier.

The world deserves better homes. We're here to help you build them.

**Rockzero. Stand for something.**



## SO WHAT DO WE STAND FOR?

At ROCKWOOL, our purpose is to release the natural power of stone to enrich modern living so that we can preserve our resources and have the least amount of negative impact on the environment.

We've spent 80 years reinventing the wall. Not the wheel, the wall.

Introducing our latest innovation, Rockzero: a pioneering new wall system that integrates the natural benefits of stone wool insulation with the structural support of the home. It's revolutionising the way homes are built.

With Rockzero, your home has superior energy efficiency, fire protection and indoor comfort. It will deliver on energy performance as calculated. And it will be airtight, yet breathable.

Rockzero homes are also faster to build to standards that exceed local regulations and give long-lasting durability. This makes it easier to construct next-generation sustainable homes.

We stand for the future of affordable, sustainable buildings. We stand for peace of mind – built into the walls of every Rockzero home.





## Meet the energy levels of tomorrow

Energy consumption has become one of the global issues of our time, and our homes are part of the challenge.

Around one-third of global energy consumption (and 20% of CO2 emissions) occurs in buildings. That rises to 50% in major global cities, with the majority of energy consumption going towards heating, cooling and ventilation.

Since these figures can only go up with our growing world population, we all have an opportunity to play our part and live in more environmentally friendly housing with an affordable lifetime cost. And for this to happen, homeowners must have increased access to the financial and environmental benefits of sustainable homes.

That's why at ROCKWOOL we've created Rockzero. It's designed to meet the challenge of reducing energy consumption and building a sustainable future. Innovators can use our high-quality wall system to change the way they build, while improving a building's energy performance.

If homes are part of the challenge our walls are part of the solution. With Rockzero, you're ready to meet the requirements of tomorrow – and protect future generations.



## Nearly zero-energy homes that stand for the future

The future is energy efficiency. So when you choose your home, it's important to use the most efficient and sustainable methods to guarantee low energy consumption from day one.

One of the best, most natural ways to effectively reduce energy consumption is stone wool insulation.

At ROCKWOOL, we've integrated this natural material in an exceptionally strong but lightweight structure to create the Rockzero wall system. Using Rockzero, you can quickly create a nearly zero-energy building that meets the toughest standards in terms of thermal insulation, sound insulation, health and sustainability.

By building and living in a sustainable home, you'll help to reduce your energy costs. And because Rockzero is fully recyclable, you can rest assured that you're contributing to a brighter and safer future for your family and the planet.



# Bringing the power of stone into your home

We're all familiar with the properties of stone: it's sustainable, non-flammable and resilient. Now all the strengths of stone can be built into the walls of every home with stone wool insulation – giving peace of mind to you and your family.

Stone wool is produced using the same process that occurs during volcanic activity: heat creates nature's version of strands we call stone wool, which is made from 97 percent natural stone and recycled material.

With Rockzero, we've released the natural power of stone wool in a complete wall system. Since volcanic rock is so abundant in its natural state, it is highly sustainable and can address the world's most significant construction challenges.

Stone wool is made from

# 97%

natural stone and recycled material.



**At the same time, you benefit from the very practical advantages of our stone wool insulation:**



### Save on energy

Stone wool insulation saves energy by maintaining optimum indoor temperature and climate. Air pockets within the insulation keep hot air out in warmer climates and retain warm air in cold climates. As a result, your living and working conditions are more healthy, comfortable, productive and cost-efficient.



### Protect against fire

Stone doesn't burn. Stone wool insulation is extremely resilient to fire and works to isolate and prevent its spread across adjacent rooms. Tests show that our insulation can resist temperatures exceeding 1,000°C. It also does not contribute to the emission of significant quantities of toxic smoke, one of the major threats during fires.



### Enhance acoustic comfort

Stone wool insulation provides excellent sound absorption to reduce unwanted noise significantly. This means you hear less noise from adjacent houses and rooms as well as other external influences. And since stone wool also prevents the spread of noise, you make life quieter for neighbours too.



### Built for a lifetime

Stone wool has unique built-in robustness. Compression, impacts and changes in humidity don't affect its stability. It adapts to all types of irregularities, leaves no gaps in the insulation layer and keeps its shape with unchanged performance for a building's lifetime.



### Buildings that breathe

Thanks to stone wool insulation's breathability, heat is retained while moisture is discharged, all in a natural way. And since there is very little organic material within the stone insulation fibres, the risk of fungus formation, mould and especially rot is drastically reduced – improving the air quality of your home.

A WALL IS  
WHAT YOU MAKE OF IT



# Rockzero: create beautiful, sustainable homes without compromise

Walls don't have to be boring: they can be springboards for big ideas. So while building a sustainable home in the past may have meant sacrificing 'look and feel', that's not the case with Rockzero.

By integrating non-combustible stone wool insulation into the structural elements themselves, architects and designers can stretch boundaries and create more stylish and aesthetic designs, so you get the home you always wanted.

Rockzero also offers more choice for the interior construction and layout of the house. And your creative vision can include a bespoke finish with a variety of cladding products, such as sheet metal, stone strips or even cavity walls.



**This design freedom is backed by the many technical and practical benefits of the Rockzero wall system:**



### Excellent indoor comfort

Rockzero retains heat while at the same time discharging moisture naturally. This keeps buildings warm in the winter and cool in the summer, improving the indoor comfort of your home. It's a sleek design solution that delivers on a nearly zero-energy promise to reduce energy consumption.



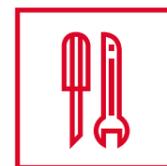
### Energy savings for life

Rockzero meets nearly zero-energy ratings without the use of additional independent components. This means your home will perform at its best for a lifetime without further maintenance, giving you a lower total cost of home ownership. Our insulation can even add value to your property too.



### Performs as it should

Calculated energy performance is often ruined by additional solid components in the wall, especially around windows, doors and adjoining building parts. Rockzero has no thermal bridges, so it performs consistently, regardless of the building's layout. And since stone wool insulation doesn't change its shape or form, energy performance is predictable for decades.



### Faster, easier to build

Compared to traditional methods Rockzero can significantly reduce construction time since the system can be built on-site quickly, easily and reliably. This means substantial savings on labour costs when you employ a builder.



### More living space

Rockzero is designed to be compact, to create more space in your home. Its innovative design means your home doesn't need extra layers of insulation installed, energy-saving performance is built into the very structure of your home, without loss of space.



# Rock is the new green

Modern living requires that we deliver energy efficiency and comfort sustainably. By integrating stone wool insulation into the walls of your home, Rockzero makes building a better tomorrow achievable today.

You will start from a position of sustainable strength. On average our natural stone wool contains over 30 percent recycled material. And because stone wool can be recycled, your Rockzero home can be fully disassembled at the end of its lifetime to make new products.

You will benefit for the lifetime of using our solution. Stone wool has long durability so it won't need any maintenance or refurbishing a few years after construction. Our insulation makes a net positive carbon impact – saving 80 times the carbon emitted in its production through lifetime energy savings.

The innovative, modular design of Rockzero also means you can create a more stylish sustainable home thanks to its greater design freedom and different finishing choices.

Protect your family for generations to come. Build a more sustainable nearly zero-energy home with the remarkable, recyclable properties of stone wool from ROCKWOOL.

Discover more about the benefits of Rockzero today.

Visit [rockwoolgroup.com/rockzero](https://rockwoolgroup.com/rockzero)



## What the professionals say

“When building the Rockzero wall, you know that all requirements are met. The airtightness is built-in and the wall is done in one go which is quite time efficient”  
*Phillip Holbek, Carpenter at a multi-disciplinary Danish building contractor, Mernild Byg*

“The fact that the rockzero wool system is demountable with dry connections and made by recyclable materials helps us support a circular economy in our projects”.  
*Kim Dalgaard, Architect at Vandkunsten*

“Even small changes in the building design require recalculating the energy performance and this can be very time consuming with traditional walls. A thermal bridge-free system like Rockzero saves us a lot of time on endless recalculations. This gives a high degree of design freedom and predictability of total energy performance.”  
*Morten Bindslev, Technical advisor, HVAC at Danish Energy Management & Esbensen*

# MAKE YOUR WALLS STAND FOR SOMETHING

With Rockzero



At the ROCKWOOL Group, we're committed to enriching the lives of everyone who experiences our solutions. Our expertise is perfectly suited to tackle many of today's biggest sustainability and development challenges, from energy consumption and noise pollution, to fire-resilience, water scarcity and flooding. Our range of products reflect the diverse needs of the world, while supporting our stakeholders in reducing their own carbon footprint.

Stone wool is a versatile material and forms the basis of all our businesses. With over 11,000 passionate colleagues in 39 countries, we're the world leader in stone wool solutions, from building insulation to acoustic ceilings; external cladding systems to horticultural solutions; engineered fibres for industrial use to insulation for the process industry – as well as marine and offshore.

