



# 4 facts about the moisture resistance of stone wool



MOISTURE  
RESISTANT  
**BY**  
**NATURE.**

# Stone wool repels water by nature, just like the stone it's formed of. During wet and rainy weather, stone wool insulation keeps buildings warm and dry without any reduction in thermal performance over time.

1

It also resists moisture in humid climates, protecting the long-term health of buildings and the people within them.

Although ROCKWOOL stone wool is water repellent by nature, it can be engineered to do exactly opposite; to absorb water. The resulting products can meet a range of modern challenges, including helping farmers grow fresh produce using 75 percent less water and reducing the impacts of heavy rain in urban areas.

## Stone wool does not absorb moisture when exposed to water

Stone wool is defined as a hydrophobic material, meaning that it is water repellent and is highly resistant to water absorption. Water repellency is one of the key properties of stone wool insulation.

2

## Stone wool does not absorb moisture from humid environments

To make such that recycling actually happens, we developed Rockcycle – our service that takes back used stone wool from construction and demolition sites so that we can recycle it into new ROCKWOOL products. This way, we help construction companies, building owners, and governments meet their recycling targets.

Rockcycle reduces landfill waste and our dependence on virgin raw materials in 17 countries, and our goal is to offer the service in 30 countries by 2030.



**3**

### **Stone wool helps keep your home comfortable and dry**

When it comes to handling moisture, stone wool insulation can assist in keeping buildings warm and dry without any reduction in thermal performance over time.

**4**

### **Stone wool can be engineered to absorb water**

If engineered to absorb water, the resulting solutions can help with a wide range of challenges, such as minimising the effects of heavy downpours. This is achieved by draining water from roofs and other hard surfaces quickly into underground stone wool basins from where the water can slowly infiltrate underground, replenishing groundwater levels.

To explore the exceptional natural properties of stone wool further, visit:  
<https://www.rockwool.com/group/by-nature/>



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At the ROCKWOOL Group, we are committed to enriching the lives of everyone who comes into contact with 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 reflects the diversity of the world's needs, 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 approx. 10,500 passionate colleagues in 38 countries, we are 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 and marine & offshore.

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