

At the ROCKWOOL Group, we're committed to tackling many of today's biggest sustainability and development challenges, from energy consumption and noise pollution, to fire-resilience, water scarcity and flooding.

Stone wool is a versatile material and forms the basis of all our businesses. We're the world leader in stone wool solutions, including building insulation, acoustic ceilings, and external cladding systems.

Perfect renovation?

Only if your materials work as hard as you do



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ROCKWOOL

Premium insulation for premium projects

Insulation is an often overlooked, but very important, factor in the success of a renovation project. Because the difference it can make is invisible. While many customers initially tend to focus on visible parts of their renovation – like the colours, fittings, appliance specifications, room layouts and finishes – how a room feels will come to matter just as much, if not more, in the long run. And how it feels is largely due to the insulation: whether the room is comfortably warm in the winter, cool in the summer, and calm and quiet all year round.

Not all insulation is the same.

There's insulation, and there's ROCKWOOL stone wool insulation. Unlike petrochemical-based insulation materials, ROCKWOOL is made from stone. Which means it is a natural high-performance material that is highly resistant to mould and fungus. It is easy to work with and extremely durable. And, your clients will be pleased to know, non-combustible.

- Easy to work with
- Effective for decades
- Regulates temperature and cuts energy bills
- Reduces unwanted noise
- Best-in-class protection from damp, mould and fire
- A premium material that enables you to make higher margins



The 7 strengths of stone

There are seven ways your clients will benefit from having ROCKWOOL stone wool insulation fitted as part of your renovation work. Which means seven more reasons for them to recommend you for more work with their friends, families and neighbours.



The 7 strengths of stone



Fire-safe

Because it is made from stone, ROCKWOOL insulation is non-combustible. Which means it helps control the spread of a fire, giving more time for rescue and minimising damage and reducing rebuilding costs. It is the safer choice to protect your clients and their home from fire.



Thermal

ROCKWOOL stone wool insulation will keep your client's home warm in winter and cool in summer. And because it is vapour-permeable, it also helps prevent damp and the formation of mould.



Acoustic

ROCKWOOL stone wool insulation helps reduce unwanted noise from other rooms, floors, neighbouring properties, and roads and city traffic.



Robust

ROCKWOOL stone wool insulation is extremely robust and durable. It does not change or distort over time, so your clients will continue to benefit from its presence for more than 50 years.



Aesthetic

ROCKWOOL stone wool insulation is available in a variety of shapes and sizes and can be cut to exact dimensions. Which means you need never compromise on comfort or safety for the sake of design and appearance.



Circular

ROCKWOOL insulation is made from natural stone and recycled material, and can be recycled and re-used again and again.



Water-resistant

ROCKWOOL stone wool insulation repels water and helps to keep your client's home comfortable and dry.

There's a ROCKWOOL solution for every client's renovation problem

ROCKWOOL offers a full range of sustainable insulation products and systems. Our stone wool insulation solutions protect people from cold, heat, the risk of fire, and ambient noise – whether it is from outdoors or adjacent rooms.

1. EXTERIOR – Upgrade or modernise a house with with render or cladding material to improve thermal performance, fire safety, and even the acoustics of a building without taking up internal floor space.

2. LOFT – Loft granulate and slabs/rolls provide high-performance insulation for unused lofts.

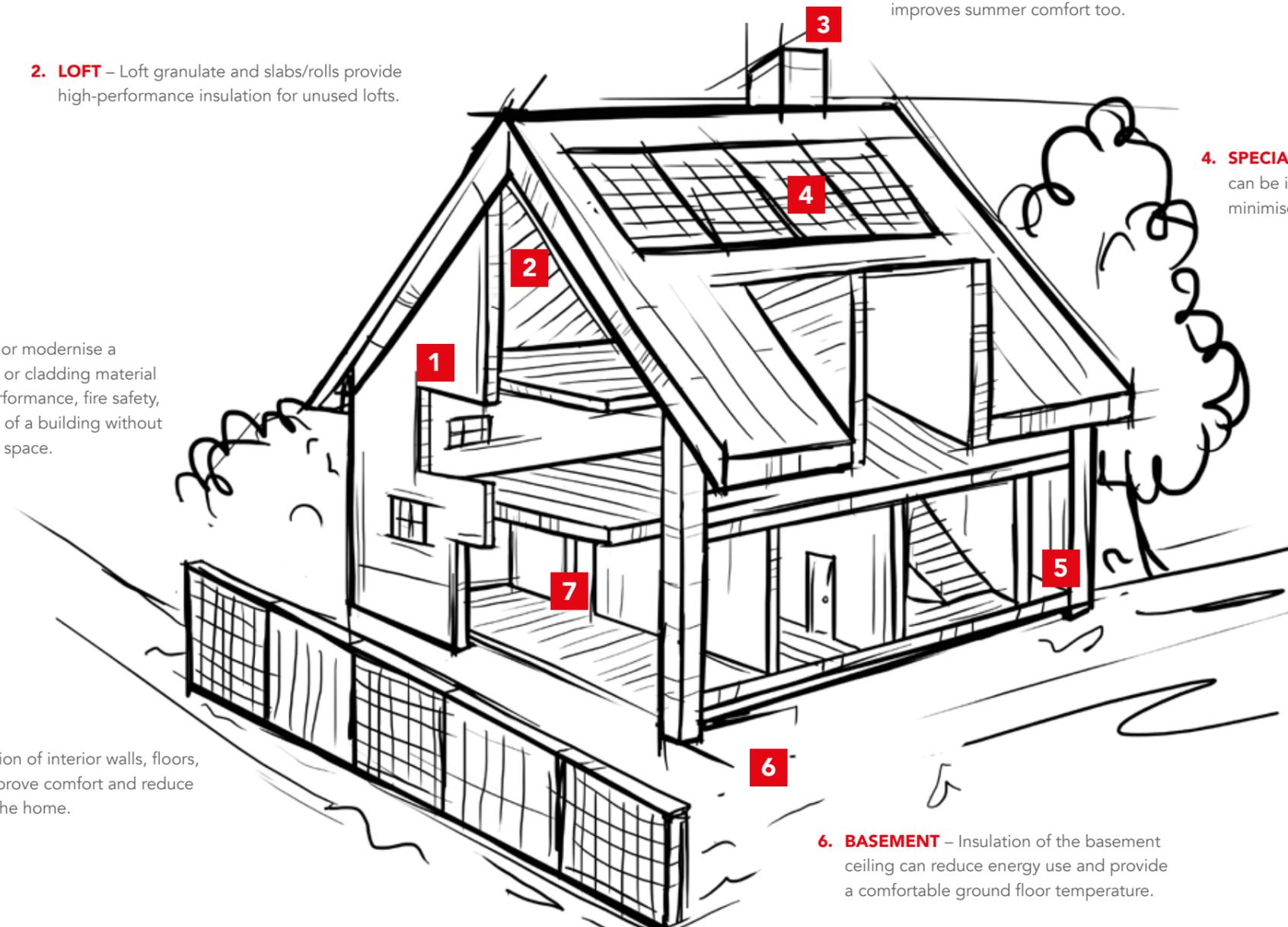
3. PITCHED ROOF – A large part of a building's energy loss is through the roof. When redesigning a loft, insulation keeps this loss to a minimum and improves summer comfort too.

4. SPECIALISED SOLUTIONS – Special insulation can be incorporated under solar systems to minimise heat loss and increase energy efficiency.

5. EXTERIOR WALLS – Insulate from the inside when you want to maintain the existing appearance of the house, e.g. bricks or old stone walls.

7. INTERIOR – Insulation of interior walls, floors, and ceilings can improve comfort and reduce unwanted noise in the home.

6. BASEMENT – Insulation of the basement ceiling can reduce energy use and provide a comfortable ground floor temperature.



Using ROCKWOOL stone wool insulation

ROCKWOOL products are easy to use, fit perfectly, and perform efficiently for decades without the need for maintenance or adjustment. So you save time and money fitting them and are less likely to have to go back to remedy problems later.

Comprehensive support available from ROCKWOOL includes video installation guides, online BIM and estimation tools, case studies and a free helpline.

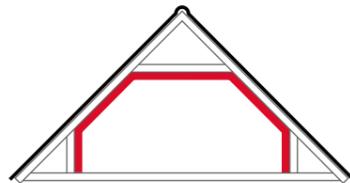


Creating a loft to look up to

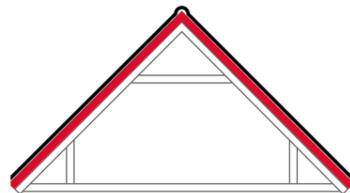
A loft conversion is one of the most obvious ways to create more space for a client. Fit ROCKWOOL stone wool insulation as part of your conversion and it will help regulate the new room's indoor climate and save your clients money on heating and cooling. And because it is non-combustible, it will also protect their family from fire.



Horizontal loft insulation



Insulation between the rafters



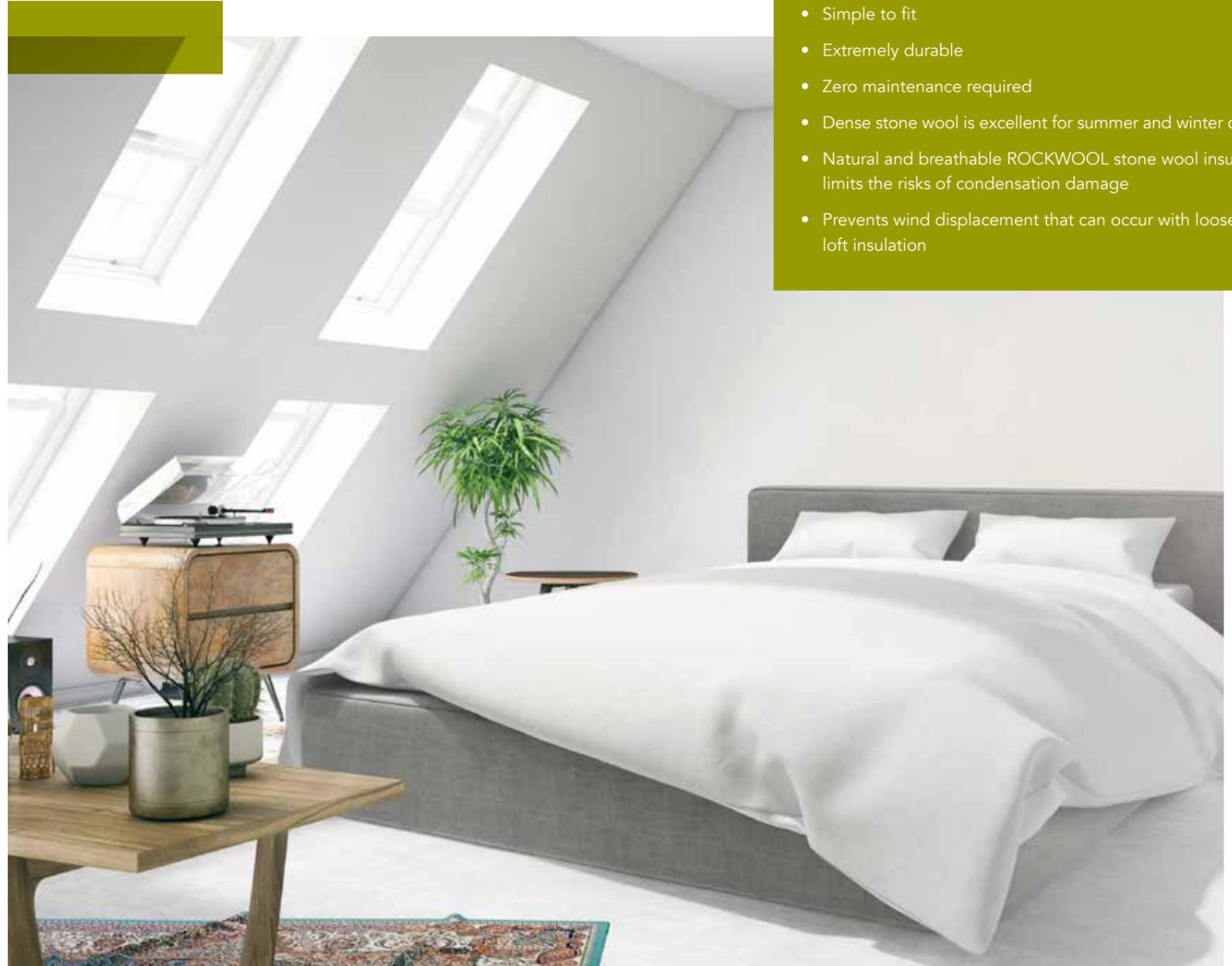
Insulation above the rafters

THE STARTING POINT FOR GREAT DESIGN IS INSULATION

To transform an unused loft into attractive living space, you need to let the light in and keep the extremes of temperature out. ROCKWOOL stone wool insulation offers solutions for any type of loft renovation to help you turn your client's dream space into a comfortable reality. Not only will it regulate temperature, but its breathability also helps resist the build-up of damp or mould caused by condensation.

Three typical types of loft insulation that ROCKWOOL stone wool insulation is suitable for:

- Horizontal loft insulation
- Insulation between the rafters
- Insulation above the rafters



Why choose ROCKWOOL stone wool for your clients?

- Easy to work with
- Simple to fit
- Extremely durable
- Zero maintenance required
- Dense stone wool is excellent for summer and winter comfort
- Natural and breathable ROCKWOOL stone wool insulation limits the risks of condensation damage
- Prevents wind displacement that can occur with loose loft insulation

YEAR-ROUND COMFORT BUILT-IN

Hot summers can make a poorly-insulated loft unbearably hot. And cold winters make it expensive to heat. The high density of stone wool makes it an efficient material for creating a comfortable indoor climate all year round.

THE LONG-TERM INVESTMENT THAT ALWAYS PAYS OFF

Of course, the whole idea of insulation is to help clients save on energy costs. But what's different about ROCKWOOL stone wool insulation is that it does not sag, change shape, or deteriorate over time as some materials do. So ROCKWOOL maintains its performance year after year, delivering consistently predictable, lower energy costs.

Fitting tips



I WANT TO TOP UP MY LOFT INSULATION BUT WHAT IS ALREADY THERE ISN'T STONE WOOL. DO I NEED TO REMOVE THIS OR CAN I JUST LAY A ROCKWOOL PRODUCT ON THE TOP?

You can simply top up any existing insulation with ROCKWOOL. Our loose lay product means you can fill any gaps around the edges easily before laying a roll of insulation over the top.

SHOULD LOFT INSULATION BE FITTED BETWEEN THE JOISTS OR BE PLACED OVER THE JOISTS?

The most effective way to insulate your loft is to have a layer of insulation that sits snugly in the spaces between the joists (either a roll product or loose lay) followed by a top layer crossways across the joists. The total depth of the insulation should be at least 270-300mm for the best results and to meet current building regulations.



CAN ROCKWOOL PRODUCTS BE USED FOR THE PITCHED RAFTERS OF A ROOF?

Yes – ROCKWOOL FLEXI® can be used between the rafters. The flexible edge of the product allows for a tight fit between rafters therefore minimising cold bridges. Alternatively, a warm pitched roof system is available which utilises ROCKWOOL FLEXI® between the rafters and an overlay board of HARDROCK over the top of the rafters.



DO I NEED TO MAINTAIN THE VENTILATION AT THE EAVES OF THE ROOF OR CAN I FIT THE ROLL INSULATION INTO THIS VOID?

With better insulation, the loft will be colder and therefore more prone to condensation if not adequately ventilated. It is therefore important to maintain the air flow through the loft space normally via the eaves. This air flow can be maintained by installing eaves ventilators.



WHEN INSTALLING RECESSED LIGHTING WITHIN A CEILING ARE THERE ANY PRECAUTIONS REQUIRED IF THERE IS ALREADY INSULATION BETWEEN THE JOISTS?

It is recommended that when installing down lighters within a ceiling you should install acoustic/fire covers to maintain an air void/flow around them. This prevents the light from over-heating which could cause the lights to fail more frequently. These are available from DIY merchants.



Beauty can be more than skin-deep

The condition of the outside of a home really matters. Exterior renovation can add considerable value to your client's property. And even better, you can save them money on energy, improve the indoor climate, and reduce noise from outside at the same time by using ROCKWOOL stone wool insulation products.

Depending on the architectural style of the house, ROCKWOOL offers specialised solutions.

RENDERED FACADE

A rendered wall can be an insulated rendered wall with the ROCKWOOL REDArt system. This unique combination of facade insulation and a textured render can make a home as durable and energy-efficient as it is attractive.

CLADDED FACADE

A cladded facade enables you to create almost any architectural impression, from streamlined high-tech through to a traditional wooden look. The ROCKWOOL REDAir system offers you full design flexibility combined with the efficient insulation of stone wool.



Why choose ROCKWOOL stone wool for your clients?

- Easy to work with
- Simple to fit
- Extremely durable
- Zero maintenance required
- It is non-combustible and withstands temperatures above 1000°C, which keeps your clients safe and helps prevent the spread of fire
- Breathable ROCKWOOL stone wool insulation maintains comfort and limits the risks of condensation damage

Fitting tips

We have a number of options. REDArt® is an external wall insulation system which offers the complete thermal and aesthetic renovation of facades. It is used in refurbishment and new build projects to provide an enhanced exterior appearance for tower blocks, shops, schools, public buildings and housing. With a range of colours and finish options, vibrant new schemes can be created. The system is installed by approved ROCKWOOL installers using ROCKWOOL insulation slabs mechanically fixed and/or bonded to the old wall substrate, onto which a series of REDArt® renders or finishes is applied.

RAINSCREEN DUO SLAB® is a specially designed dual density insulation product for direct fixing to facades where a rainscreen cladding system has been selected. The outer higher density surface is robust and designed to allow for exposure to weather conditions while cladding systems are erected. Meanwhile, the inner surface makes consistent close contact with the old exterior of the building, providing a significant improvement in thermal performance. Cladding options available can be found on the ROCKPANEL website.



INSULATING FROM THE INSIDE

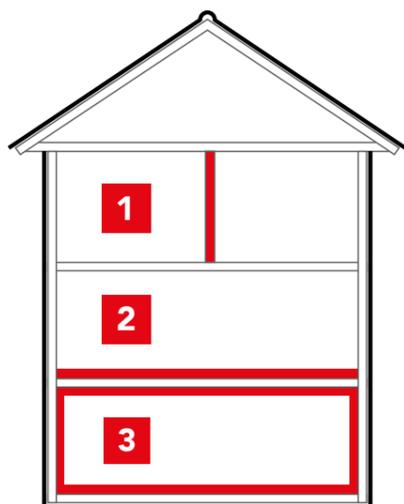
If the house has a facade that you don't want to cover with insulation, such as a feature with special architecture heritage or an old stone wall, ROCKWOOL stone wool insulation can be applied from the inside instead. Applying ROCKWOOL on the inside of the wall is an excellent solution for saving energy, improving comfort and maintaining the aesthetics of the facade.

It's what's behind the walls and under the floors that counts.

ENJOY THE QUIET LIFE

Noise is an important factor that is often not given enough consideration when renovating a house. Changing an attic to a children's room can generate a lot of noise when kids are playing upstairs. And a dream of a silent home office can be ruined when your clients are disturbed by the noise of people gathering in the kitchen or a teenager playing loud music in their room.

ROCKWOOL has developed specific stone wool products to reduce noise through walls and floors. So if you are moving walls or are putting in a new floor, you can take the chance to significantly improve comfort levels by reducing noise from other rooms, floors, neighbouring properties, and external sources such as traffic, trains, and planes.



1. PERFECT FOR PARTITION WALLS

ROCKWOOL stone wool insulation has been especially designed to reduce noise through partition walls. This makes it easier to use a house for different purposes. For example, phone calls will not wake a sleeping baby, and the noise of children playing will not disturb the peace in the room or house next door.

2. FIRST FOR FLOORING

ROCKWOOL products can be used for ground floors and floating construction ground floors. Their excellent thermal properties will help maintain a comfortable and even temperature – and help your client save money on energy at the same time.

3. BEST FOR THE BASEMENT

Our products work well for thermal insulation from an unheated basement. They also have excellent noise-reducing properties, making them a good choice for intermediate floors where they can reduce the impact noise from footsteps.



Why choose ROCKWOOL stone wool for your clients?

- Easy to work with
- Simple to fit
- Extremely durable
- Zero maintenance required
- Excellent acoustic properties help reduce unwanted noise from other rooms, other floors, and neighbouring properties
- Flexible and can be cut to exact sizes, so fits well in old and new constructions

Fitting tips

I am insulating a music room. What products do you recommend?

We would suggest lining the walls with a tissue faced slab such as ProRoxSL 930 (RW3) or ProRoxSL 950 (RW4). The insulation product would then need to be protected from damage.

How do I cut ROCKWOOL to fit?

ROCKWOOL insulation can easily be cut with a long-bladed knife or insulation saw available from DIY outlets. Please ensure all safety gear is worn during the fitting of insulation.

Expanding your horizons

Sometimes the best option to fulfil the need for more space is a horizontal or vertical extension. In either case, a light frame construction is an easy and flexible way to extend, and specialised ROCKWOOL stone wool insulation products can help meet building regulations, increase comfort, and reduce energy bills.

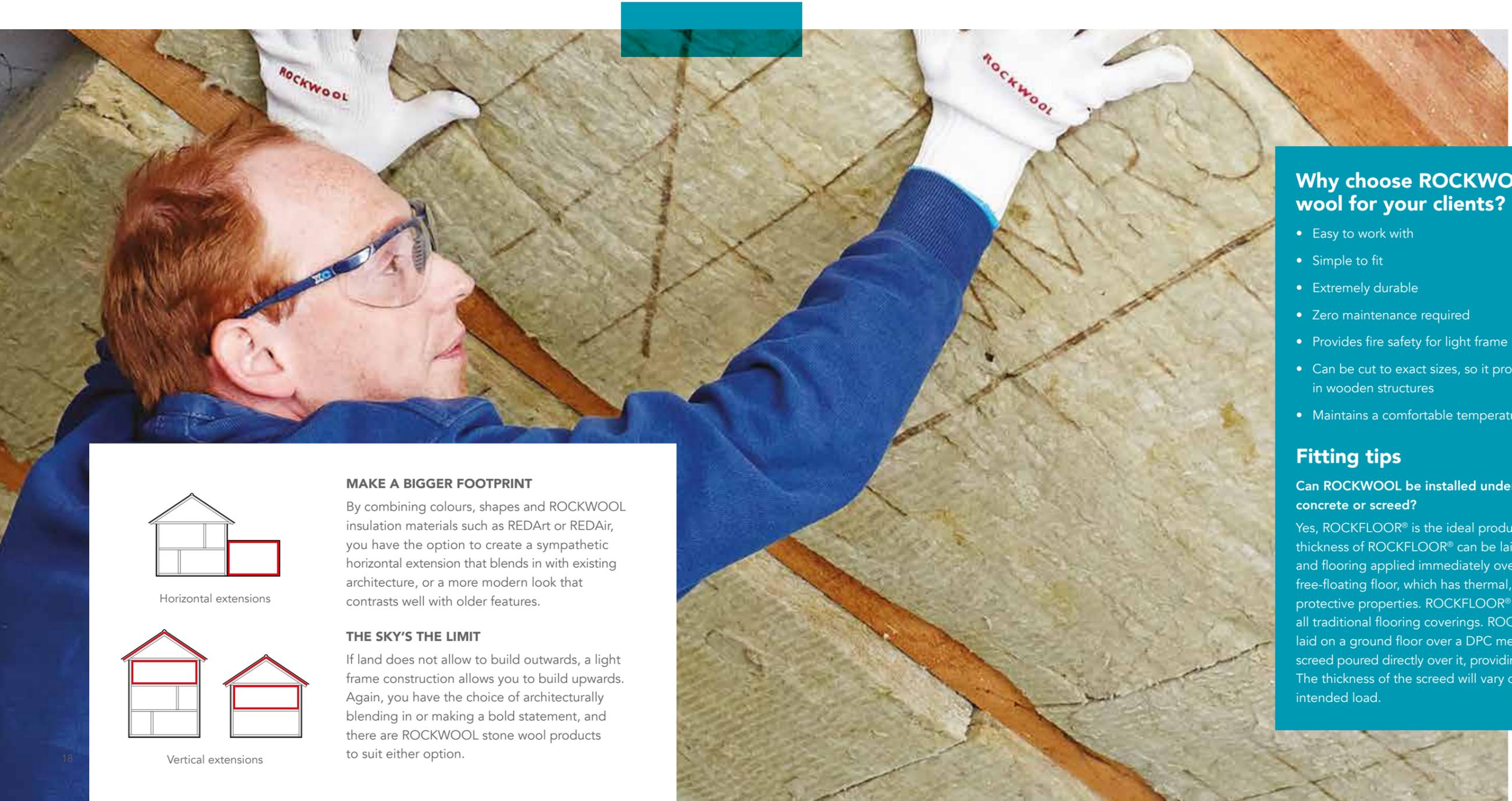
RAISE THE ROOF

Our product range is suited to insulation between and below the rafters. The high density of stone wool maintains a comfortable indoor climate both during hot summers and cold winters. All work can be applied from the inside.

ROCKCIEL is ideal for insulation above the rafters. Recommended when you want to have a visible wooden structure inside. It will help maintain comfortable indoor summer and winter temperatures and improve acoustics. All work can be applied from outside.

MAKE WOOD WORK

Slim-fitting MB ROCK maximises space when insulating timber frame constructions. The MB ROCK slabs are easy to fit, do not sag or change over time, and deliver long-lasting performance.



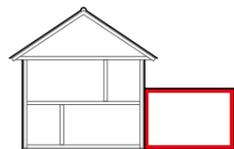
Why choose ROCKWOOL stone wool for your clients?

- Easy to work with
- Simple to fit
- Extremely durable
- Zero maintenance required
- Provides fire safety for light frame structures
- Can be cut to exact sizes, so it provides an excellent fit in wooden structures
- Maintains a comfortable temperature in a light building

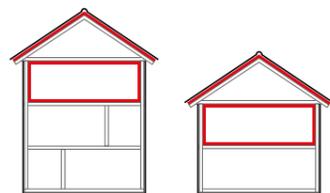
Fitting tips

Can ROCKWOOL be installed underneath site concrete or screed?

Yes, ROCKFLOOR® is the ideal product for this. The desired thickness of ROCKFLOOR® can be laid on a dry, firm surface, and flooring applied immediately over it to create a warm free-floating floor, which has thermal, acoustic, and fire protective properties. ROCKFLOOR® will accommodate all traditional flooring coverings. ROCKFLOOR® can also be laid on a ground floor over a DPC membrane with a concrete screed poured directly over it, providing an insulated platform. The thickness of the screed will vary depending on the intended load.



Horizontal extensions



Vertical extensions

MAKE A BIGGER FOOTPRINT

By combining colours, shapes and ROCKWOOL insulation materials such as REDArt or REDAir, you have the option to create a sympathetic horizontal extension that blends in with existing architecture, or a more modern look that contrasts well with older features.

THE SKY'S THE LIMIT

If land does not allow to build outwards, a light frame construction allows you to build upwards. Again, you have the choice of architecturally blending in or making a bold statement, and there are ROCKWOOL stone wool products to suit either option.

ROCKWOOL stone wool insulation in action

Your client may just want you to insulate a ceiling or a room. Or they may want you to do something more ambitious like the real-world example of ROCKWOOL stone wool insulation in action shown opposite. But whatever improvements you are undertaking, there are ROCKWOOL products that can improve your end results by:

- Regulating temperature all year round
- Cutting energy bills
- Reducing noise
- Protecting from damp, mould and fire

Find out more about ROCKWOOL stone wool insulation at rockwool.com/renovation

Uses up to
90%
less energy than
a traditional building



The house that works with the weather

Family house, Cherasco, Italy

With the help of stone wool insulation, an old building can keep its traditional appearance but with 21st-century levels of energy performance and comfort, creating the perfect sustainable family home.

Owner and architect Maria Grazia Novo was motivated by "the desire to change and improve the family home". The house she chose for her family dated back hundreds of years and needed to be totally renovated while staying in harmony with local building traditions. A concern for environmental impact (and the lack of mains gas for heating) led the architect to opt for a "passive house".

Insulation is central to the passive approach, which aims to reduce the energy needed for heating and cooling by up to 90 percent. ROCKWOOL materials are perfect for sustainable standards because they offer excellent thermal insulation, are vapour-permeable and have a long lifespan. And because ROCKWOOL insulation can be easily fitted within a house's roofs and walls, it has no impact on the building's appearance.



Frequently Asked Questions (FAQs)

More information is available on our website or from our free helpline, but here are answers to some of the most common questions you ask us, or that you may be asked by your customers...

Craftsman FAQs

DOES ROCKWOOL STONE WOOL INSULATION HELP TO EARN LEED CERTIFICATION?

ROCKWOOL products can be used as a contribution to obtaining LEED certification in residential and commercial buildings. Our website has an LEED calculator that can help to provide LEED documentation to meet required standards.

WHAT IS THE BEST WAY TO CUT ROCKWOOL BATTS AND BOARDS?

A serrated knife is always the best way to cut stone wool; we advise not to use utility knives as they will dull too quickly and end up tearing the batts, a bread knife works extremely well with our products.

WHAT ARE THE DIMENSIONS OF THE PRODUCT?

ROCKWOOL products are produced to accommodate standard construction practices. Local sizes are 24x48 inches and 16x48 inches in a variety of thicknesses depending on product. Larger and custom sizes can be produced, however minimum order quantities are usually required.

WHY ARE ROCKWOOL BATTS PRICED AT A PREMIUM?

ROCKWOOL batts are an average of 3x denser than fiberglass batts; providing a better fit in the cavity and delivering excellent thermal, sound, and fire control.

DOES ROCKWOOL SELL DIRECTLY TO BUILDERS/CONTRACTORS/INSTALLERS?

ROCKWOOL products are available through our broad network of commercial insulation distributors. Please contact your local ROCKWOOL sales rep for information on local distributors.

Customer FAQs

WHAT IS STONE WOOL?

ROCKWOOL insulation is a rock-based mineral fibre insulation comprised of Basalt rock and recycled slag. Basalt is a volcanic rock (abundant in the earth), and slag is a by-product of the steel and copper industry. The minerals are melted and spun into fibres.

HOW DOES ROCKWOOL STONE WOOL INSULATION REGULATE TEMPERATURE?

ROCKWOOL stone wool insulation is a combination of dense stone fibres and minute air pockets that insulate against heat and cold, so it can keep a room comfortable all year round: warmer in winter and cooler in summer.

IS ROCKWOOL STONE WOOL INSULATION BREATHABLE?

Yes it is. ROCKWOOL stone wool insulation is treated to be water repellent, and has minute air pockets within it which make it vapour-permeable. This prevents condensation damage and the conditions that allow the formation of mould or fungus.

HOW LONG WILL ROCKWOOL STONE WOOL INSULATION LAST BEFORE NEEDING TO BE REPLACED?

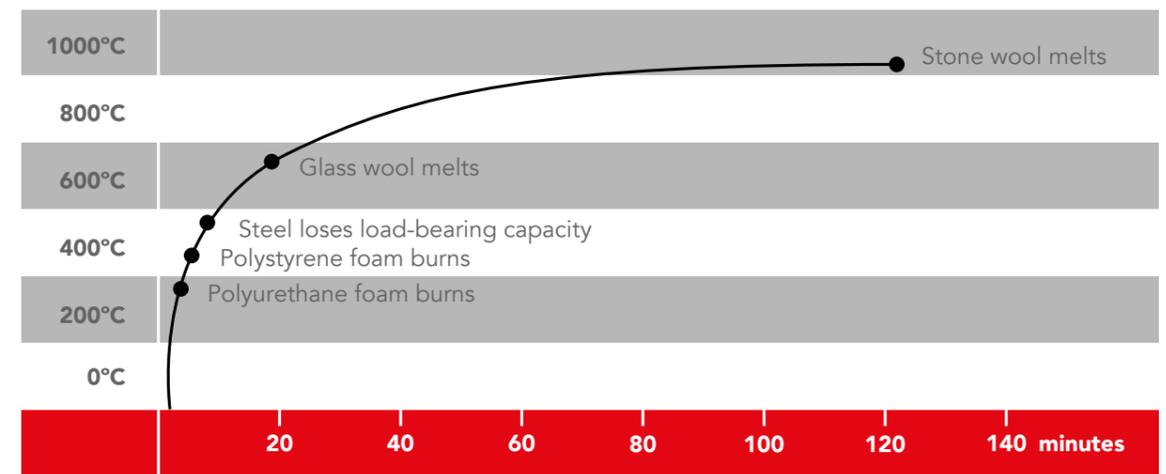
ROCKWOOL insulation should last the lifetime of your building if installed in a properly designed system according to spec. ROCKWOOL products will not decay, so they will retain their properties assuming no physical damage occurs.

HOW DOES STONE WOOL INSULATION PREVENT THE DEVELOPMENT OR SPREAD OF FIRE?

Stone wool is the safe basis of all ROCKWOOL products. It is made from basalt rock which is by nature non-combustible.



ROCKWOOL has invested heavily in fire testing and related developments.



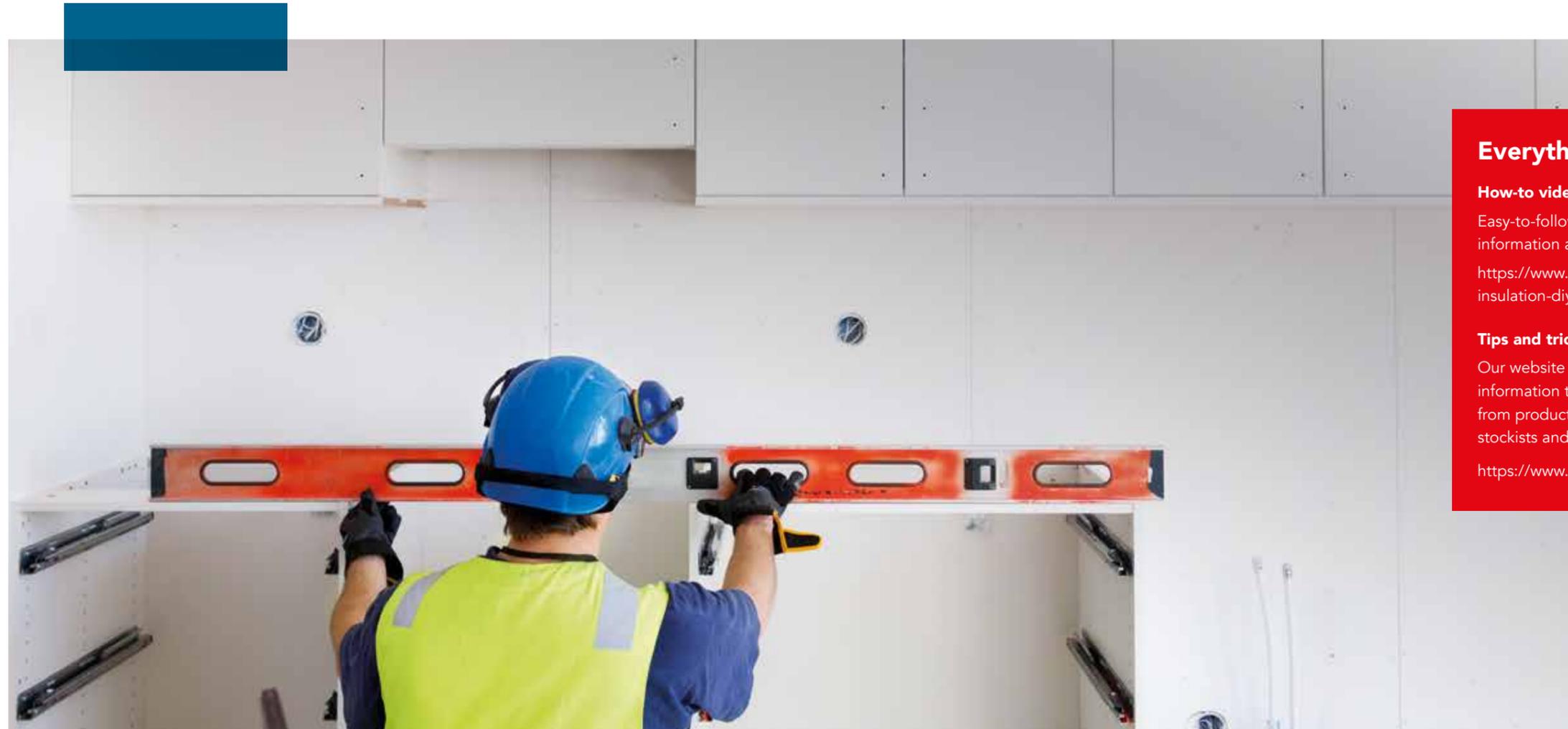
Behaviour of different materials according to the standard time/temperature curve of fire resistance standard ISO 834. Physical damage occurs.

Everything you need from insulation

Using ROCKWOOL stone wool insulation is good for your clients and good for you.

Clients benefit from the 7 strengths of stone, including temperature regulation, noise reduction, and fire safety from a natural, sustainable material.

And you use a material that prevents condensation damage, is easy to work with, quick to fit, and extremely durable. Which means that your satisfied customers will still be satisfied customers for decades to come. And using a material that has so much to recommend it means your clients are more likely to recommend you for more work.



Everything you need from ROCKWOOL

How-to videos

Easy-to-follow video installation guides, safety advice and recycling information are all available at:

<https://www.rockwool.com/technical-resources/video-library/insulation-diy-with-rockwool/>

Tips and tricks

Our website has useful tips, tricks, tools, case studies and information that will help you at every stage of your projects from product selection and estimation through to client advice, stockists and fitting techniques.

<https://www.rockwoolgroup.com/>

