KNAUF INSULATION

FLEXIBLE ROCK SOLUTIONS FOR BUILDINGS

PROVEN PERFORMANCE WITH ECOSE® TECHNOLOGY

ECOSE® Technology is our unique bio-based binder which is used in the manufacture of our Rocksilk® Building Slabs and Flexible Slabs.

Our Mineral Wool made with ECOSE® Technology contains no added formaldehyde or phenol.

This means our insulation generates very low levels of dust, increasing the comfort of those handling it. ECOSE® Technology makes our insulation soft to touch and easy to handle.

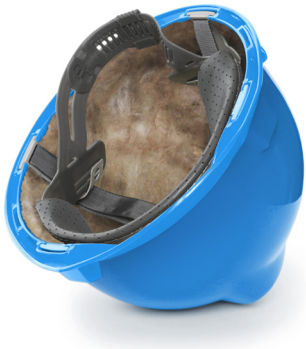
It is made from natural raw materials that are rapidly renewable and is 70% less energy intensive to manufacture than traditional binders, so it is kinder to the environment too.

Thermal

The energy saving properties and thermal performance of Rock Mineral Wool keep buildings warm in winter and cool in summer.

Our Rocksilk® Building and Flexible Slabs help maintain a stable inside temperature by slowing heat transfer by convection, conduction and radiation.

Fire Safety



The fire performance of Rock Mineral Wool gives the ability to provide passive fire protection. Buildings must be designed to minimise the risk of fire and its spread should it occur.

As well as acting as a barrier to the fire, should it occur, our non-combustible Rocksilk® Building and Flexible Slabs will not add to its development stages, minimising its overall effect and consequences.

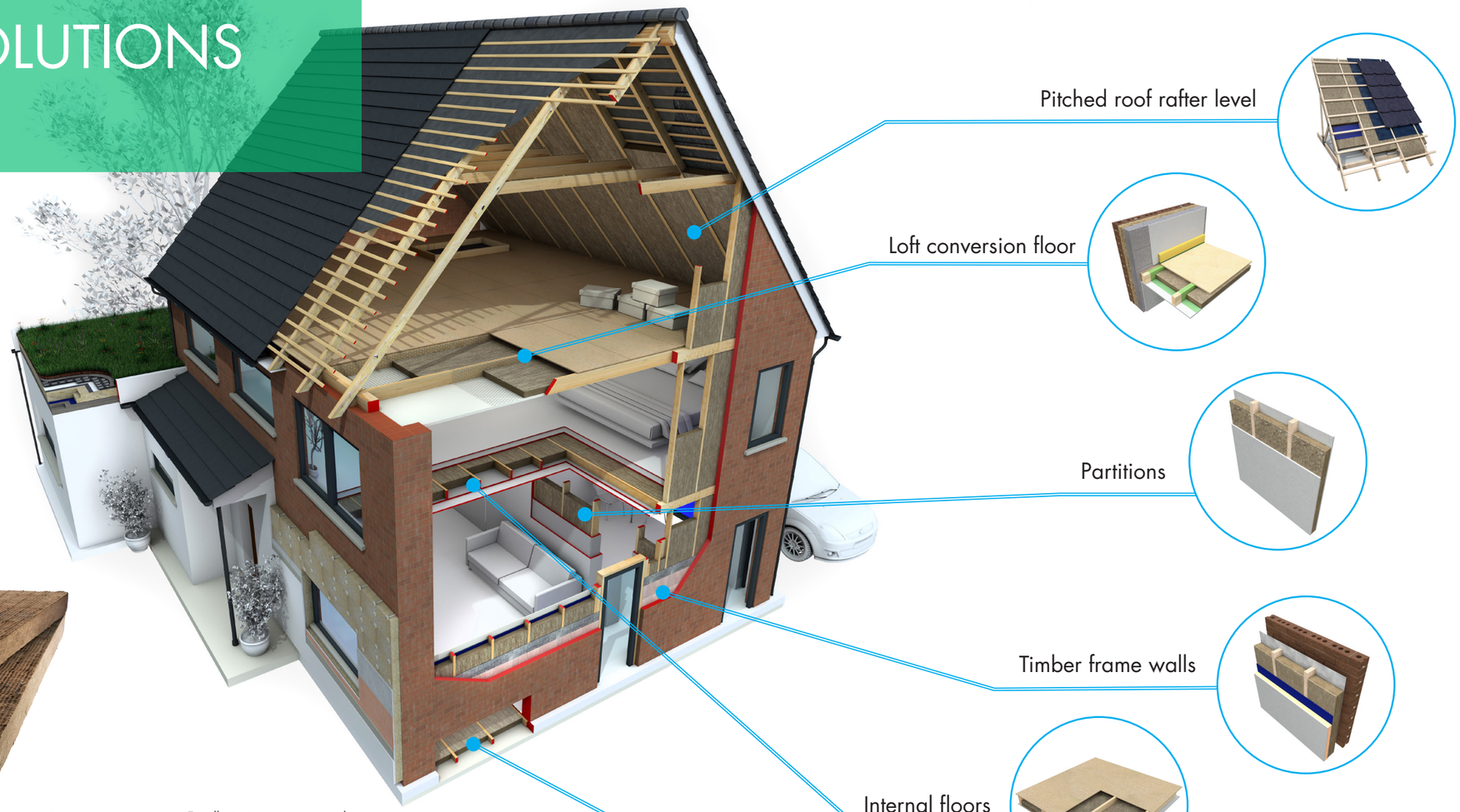
Acoustic

The acoustic performance of Rock Mineral Wool can help create an improved internal environment for building occupants.

Rocksilk® Building and Flexible Slabs provide high levels of sound absorption and noise reduction, in new build or within existing buildings through retrofit, to provide improved sound insulation and acoustic comfort.

FLEXIBLE ROCK SOLUTIONS FOR BUILDINGS

Rocksilk® Building and Flexible Slabs



For illustrative purposes only

Application	Rocksilk® Flexible Slab	Rocksilk® Building Slab
Pitched roof rafters	✔	✔
Intermediate and internal floors	✔	✔
One hour floor upgrade	✔	-
Internal walls and partitions	✔	✔
External timber frame walls	✔	✔
Ground floors (suspended timber)	✔	✔
Light steel frame walls	✔	✔
Fabrication	✔	✔

✔ Suitable product
✔ Optimum product

CERTIFICATION

Our Rock Mineral Wool products made using ECOSE® Technology have the best possible Eurofins Gold Certificate for Indoor Air Comfort. Contributing to a high level of indoor air quality and providing a strong endorsement of the enhanced environmental performance of our product range.

Rocksilk® RS45 and Flexible Slab both have the best possible non-combustible Euroclass A1 reaction to fire classification, meaning they will not contribute in any stage of the fire, including the fully developed fire.

Generic BRE Green Guide Rating A+

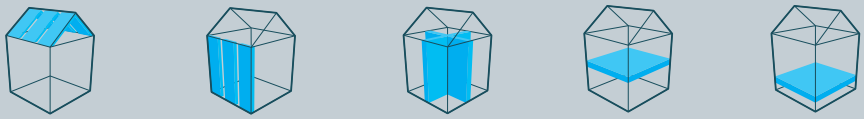
challenge.
create.
care.

ROCKSILK® BUILDING SLABS

with ECOSE TECHNOLOGY

BENEFITS

- ✓ Excellent thermal performance.
- ✓ Non-combustible Euroclass A1 reaction to fire classification.
- ✓ Excellent sound absorption characteristics provide high levels of sound reduction.
- ✓ Multi-purpose product range which can be used to insulate a wide range of applications on site.

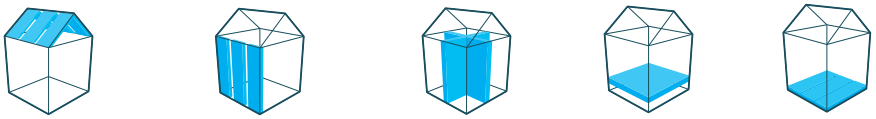


ROCKSILK® FLEXIBLE SLABS

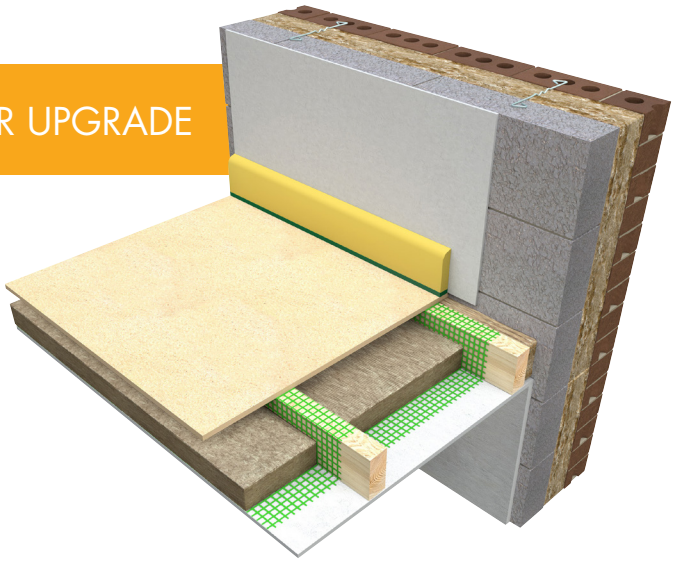
with ECOSE TECHNOLOGY

BENEFITS

- ✓ Excellent thermal performance.
- ✓ Non-combustible Euroclass A1 reaction to fire classification.
- ✓ Excellent sound absorption characteristics provide high levels of sound reduction.
- ✓ Multi-purpose product which can be used to insulate a wide range of applications on site.
- ✓ Flexible on all four sides for quick and simple installation.



ONE HOUR FLOOR UPGRADE

Where the loft of a two story house is converted into habitable accommodation, the floor to the new rooms must have 30 minutes fire resistance.

Rocksilk® Flexible Slab has been tested to achieve **60** minutes fire resistance.