

SAFE'N'SOUND®

Fire and Soundproofing Insulation
for Interior Partition Walls and Floors.





Sound control and fire safety from one batt Insulation.

ROCKWOOL SAFE'n'SOUND® is a batt insulation designed specifically for interior wall and floor/ceiling applications. This stone wool insulation is made from natural stone and recycled content. It's a green product that provides superior sound absorbency and fire protection for overall comfort and safety.

Because SAFE'n'SOUND® is designed for interior applications, it has not been engineered as a thermal insulation but as a fire barrier and for soundproofing. Stone wool in general has excellent fire ratings, does not burn and can add valuable time for evacuation in the event that a fire occurs. Its higher density properties also make it an ideal solution for minimizing sound traveling between rooms.

Water repellent & won't sustain mold

- ROCKWOOL SAFE'n'SOUND® is resistant to water, rot, mold, mildew and bacterial growth
- Contributes to a safer and healthier indoor environment
- GREENGUARD® certified, receiving the highest designation for indoor air quality





Fire resistance enhances home safety

- Combination of natural stone and recycled content makes ROCKWOOL insulation an excellent fire barrier
- Does not develop smoke or promote flame spread, even when directly exposed to fire
- Can withstand temperatures up to 1177°C (2150°F) providing occupants valuable extra time in case of a fire



Higher density means a better fit

- ROCKWOOL SAFE'n'SOUND® Batts are simple to cut with a serrated knife (such as a bread knife)
- Clean, straight cuts provide optimal fit around electrical boxes, wiring, and pipes – minimizing air flow
- Superior friction fit between studs completely fills the wall cavity preventing insulation from sagging – unlike competitors' products



ROCKWOOL SAFE'n'SOUND® is an excellent acoustic barrier that effectively absorbs sound, making it the choice of professional recording studios.

Typical Assemblies for ROCKWOOL SAFE'n'SOUND®.

Top View



Side View



Single stud interior wall

(Wood Studs – 16" On Center)

Using ROCKWOOL SAFE'n'SOUND®, 5/8" drywall (type x) and resilient channels at 16" provides:

- Fire Rating: 1 hour
- Sound Transmission Class (STC): 45

Interior ceiling/floor

(2 x 10 Joists – 16" On Center)

Using ROCKWOOL SAFE'n'SOUND®, 5/8" drywall (type x) and resilient channels at 24" provides:

- Fire Rating: 30 minutes
- Sound Transmission Class (STC): 50

SAFE'n'SOUND® Wall Components

(shown from outside to inside)

1. 5/8" Type X Gypsum
2. 3" SAFE'n'SOUND®
3. Resilient Channel
4. 5/8" Type X Gypsum Board

SAFE'n'SOUND® Ceiling/Floor Components

(shown from top to bottom)

1. Plywood Floor
2. Air Space
3. Two layers of SAFE'n'SOUND®
4. Resilient Channel
5. Gypsum Board



Because it doesn't burn, SAFE'n'SOUND® can delay the spread of fire for added safety.



Sound control delivers peace and quiet

- Install SAFE'n'SOUND® in interior walls between rooms and in ceilings between floors
- Higher-density batts more effectively reduce airflow – thereby decreasing sound transmission
- Provides higher sound absorption against low-frequency (bass) ranges, which are most difficult to block
- Typical household applications include home theater, basements (ceilings), home office, laundry room, bathroom and furnace room



The SAFE'n'SOUND® interior partition wall and floor system is ideal for residential renovation activity such as media rooms.

Specify ROCKWOOL SAFE'n'SOUND® for every home.

Home life has changed, and sound dampening is more important than ever

Life is getting louder around the home. Televisions, home theaters, computers and video games blare from almost every room. Family cell phones constantly ring. More people work from home offices and entertainment rooms are the norm.

More and more, sound dampening is a must-have requirement for any modern family home. And, it's an ideal revenue-generating opportunity to offer ROCKWOOL SAFE'n'SOUND® – the premium acoustic insulation for interior walls and for ceilings between floors.

Satisfy your customers by creating a quieter home

Don't wait for your home buyers to ask about ways to make their homes quieter, safer and more comfortable. Make peace and quiet and fire protection available on every new build with ROCKWOOL SAFE'n'SOUND®.

Unlike other insulation, ROCKWOOL SAFE'n'SOUND® provides higher sound absorption against low-frequency (bass) ranges.



ROCKWOOL SAFE'n'SOUND® & GREENGUARD® Gold

The GREENGUARD Environmental Institute (GEI) is a non-profit organization that oversees the GREENGUARD Gold standards. The GEI's mission is to protect human health and quality of life through programs that improve indoor air that people breathe. GREENGUARD Gold Certification (formerly known as GREENGUARD Children & Schools Certification) offers stricter certification criteria, considering safety factors to account for sensitive individuals (such as children and the elderly), and ensures that a product is acceptable for use in environments such as schools and healthcare facilities. ROCKWOOL SAFE'n'SOUND® products are certified to this standard and are recognized by the United States Green Building Council's (USGBC) LEED® program.

Compliance and performance

System Description	Sound Transmission Class (STC)	Fire Resistance
5/8" gypsum boards 3 5/8" steel studs spaced 24" centers ROCKWOOL SAFE'n'SOUND®	52	1 Hour

Above results are based upon testing using Type X gypsum board.
For additional designs, please contact ROCKWOOL Technical Services.

Acoustical performance

ASTM C423
CO-EFFICIENTS AT FREQUENCIES

System Description	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
ROCKWOOL SAFE'n'SOUND®	3"	0.52	0.96	1.18	1.07	1.05	1.05	1.05

Compliance and performance

CAN/ULC-S702-09	Mineral Fiber Thermal Insulation for Buildings	Type 1, Complies
ASTM C 665	Mineral Fiber Blanket Thermal Insulation	Type 1, Complies
CAN4-S114	Determination of Non-Combustibility	Non-Combustible
ASTM E 136	Surface Burning Characteristics	Non-Combustible
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0
ASTM E 84 (UL 723)	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0
CAN/ULC S102	Smolder Resistance	0.09%

Dimensions

Steel Stud	Wood Stud
3" x 16.25" x 48" 76 mm x 413 mm x 1219 mm With flexible edges	3" x 15.25" x 47" 76 mm x 387 mm x 1194 mm With flexible edges
3" x 24.25" x 48" 76 mm x 616 mm x 1219 mm With flexible edges	3" x 23" x 47" 76 mm x 584 mm x 1194 mm With flexible edges

Density

2.5 lbs/ft ³	40 kg/m ³
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ROCKWOOL leads the way with sustainable, eco-friendly products in the building industry and contains natural, inorganic materials made with recycled content.

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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