



# Thermafiber® Mineral Wool Insulation

## What is Thermafiber® Mineral Wool Insulation?

Thermafiber® mineral wool insulation is made from naturally occurring rocks and recycled slag. Slag is a by-product of the steel industry. Rocks, of various types, are an abundant natural resource. These raw materials are melted at 2,600°F and fiberized (spun into fibers) to create Thermafiber® mineral wool insulation products with an industry leading minimum of 70 percent recycled content<sup>1</sup>. Thermafiber® mineral wool insulation is naturally non-combustible and fire resistant up to 1093° C (2000° F) making it great for providing protection to structures.

## What happens if Thermafiber® insulation gets wet?

Thermafiber® mineral wool insulation is moisture resistant and does not readily absorb water as tested per ASTM C 1104. If the insulation gets wet, simply allow the insulation to dry in order to maintain original performance.

## Is Thermafiber® insulation resistant to mold and fungi growth?

As an inorganic material made from rocks and slag, Thermafiber® mineral wool insulation does not provide a food source for mold growth. Thermafiber® products have been tested per the ASTM C 1338 standard for determining the resistance of insulation to the growth of fungi, ensuring the products are mold resistant.

## What is the difference between Thermafiber® Fire & Sound Guard™ insulation & Thermafiber® UltraBatt™ insulation?

Thermafiber® Fire & Sound Guard™ mineral wool insulation is specifically designed to provide outstanding sound performance to help keep outside noise out and reduced inside noise from traveling room-to-room. The product is best suited for interior partition walls and floors/ceilings. In addition, Fire & Sound Guard™ withstands temperatures above 1093° C (2000° F) giving you more time to gather your loved ones in case of a fire.

Thermafiber® UltraBatt™ mineral wool insulation is specifically designed to reduce heat transfer from the outside of the home to the inside of the home by providing a high thermal resistance (R-value) for exterior walls, floors and ceilings and will further enhance noise control.



Fire & Sound Guard™



UltraBatt™

## Can I use Thermafiber® Fire & Sound Guard™ insulation in exterior walls, floors and ceilings?

As a thermally rated product, we recommend the use of Thermafiber® UltraBatt™ in exterior wall, floor, and ceiling applications. Thermafiber® Fire & Sound Guard™ is best suited for interior applications.

## How does sound travel through my home?

Sound inside a home can either be an impact sound; walking on a floor and furniture moving, or an airborne sound; people talking and music playing.

Impact sounds travel mainly through mechanical vibration of the rigid components in the wall, floor or ceiling; wood studs, drywall or flooring. Separating these rigid components from one another is the best way to reduce the transfer of vibrations. Resilient channel installed on ceilings is a common practice used to reduce impact sound transfer through floors/ceilings.

Airborne sounds also travel through vibrations in rigid components, but in addition, reverberates through empty stud and joist cavities. Sound absorbing insulation can reduce this reverberation to provide improved acoustical performance but best practice is to install sound absorbing insulation and resilient channel to address both mechanical vibrations and reverberations.

## How does Thermafiber® mineral wool insulation differ from Roxul® mineral wool insulation?

Thermafiber® and Roxul® are both mineral wool insulation products. Thermafiber® mineral wool insulation products lead the industry with a minimum of 70 percent recycled content<sup>1</sup>.



**Thermafiber**®

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