



Roxul COMFORTBATT® SS

Exterior Wall Steel Stud
Batt Insulation

Superior Steel Stud Wall Performance: Building Envelope Designed by ROXUL® (BEDR™)

Stone Wool Significantly Outperforms Standard Glass Fiber Batts

The ROXUL Difference

ROXUL COMFORTBATT® Steel Stud is a semi-rigid batt insulation designed specifically for exterior steel stud wall applications for residential and commercial construction.

ROXUL COMFORTBATT SS insulation provides significantly better thermal performance compared to standard glass fiber batts. This allows builders to achieve a thermal insulation value of R24 versus R19 - R21 for six-inch steel stud wall cavities, a significant improvement when considering total building envelope performance.

ROXUL stone wool insulation is made from natural stone and contains a minimum of **40% recycled content**, which gives it unique characteristics that other insulations can't match. The higher density batts reduce airflow with the wall cavity, reducing convective losses. This translates into a better performing and more comfortable thermal wall.



In the ROXUL BEDR™ Wall system, COMFORTBATT Steel Stud insulation allows builders to achieve a thermal value of R-24 and offers superior acoustical performance in comparison to traditional steel stud wall cavities.

Technical Information

Compliance and Performance

ASTM C665	Mineral Fiber Blanket Insulation	Type 1, Complies
ASTM E136	Determination for Non-Combustibility	Non-Combustible
ASTM E84	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = < 5



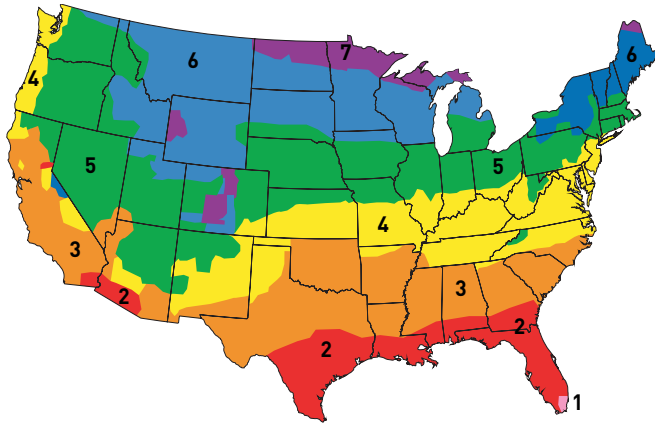
COMFORTBATT Steel Stud Specifications

R-Value	Stud Spacing O.C.	Thickness	Width	Length
R10	16"	2.5"	16.25"	48"
	24"	2.5"	24.25"	48"
R15	16"	3.5"	16.25"	48"
	24"	3.5"	24.25"	48"
R24	16"	6"	16.25"	48"
	24"	6"	24.25"	48"

Better Fit Equals Better Wall Performance

Studies show that wall assemblies with gaps and voids can result in **35% loss** of the stated R-value. ROXUL COMFORTBATT Steel Stud batts are higher density making for simple, precise cutting and a snug fit between steel studs.

Meeting the Challenges of Today's Climate Zones



The ASHRAE Map of Climate Zones

Every rating agency has its own maps that divide regions into thermal or climate zones to tailor codes and standards to what is appropriate for that particular region.

ASHRAE 90.1 2010/IECC Standards 2009 All Buildings Non-Residential Specific to Cavity Wall/Rainscreen Requirements by Climate Zone

City/State	Climate Zone	Mass*	Metal Framed**
Miami, FL	1	NR	R13
Tampa, FL	2	R5.7 ci	R13
Charelston, SC	3	R7.6 ci	R13 + R3.8 ci
New York, NY	4 (except marine)	R9.5 ci	R13 + R7.5 ci
Spokane, WA	5 (and marine)	R11.4 ci	R13 + R7.5 ci
Milwaukee, WI	6	R13.3 ci	R13 + R7.5 ci
Anchorage, AK	7	R15.2 ci	R13 + R7.5 ci
Long Beach, CA	8	R25.0 ci	R13 + R7.5 ci

* Wall without Steel Studs eg. Concrete

** Steel Stud and Cavity Wall

Performance Matters

Precise & Accurate Installation

ROXUL cuts quickly and accurately with a serrated knife, so you can easily achieve optimal fit around pipes, electrical boxes, wiring, ductwork, and between studs and joists that are less than a standard width.

Managing Moisture In Wall Assemblies

Unlike glass fiber batts, ROXUL COMFORTBATT is resistant to water, rot, mold, mildew and bacterial growth. It will maintain its shape within the wall cavity, ensuring maximum R-value is maintained over time.

Won't Burn or Develop Smoke

ROXUL COMFORTBATT has an extremely high melting point (1177 °C /2150 °F) and is an excellent barrier against the spread of flames. Unlike other insulation materials, ROXUL COMFORTBATT will not develop smoke or promote flame spread, even when directly exposed to fire.

No Compromise Over Time

ROXUL insulation will not slump in stud spacing causing gaps, will not expand or contract due to temperature variances, nor is it adversely affected by the presence of moisture in the system, all of which contribute to the optimal thermal performance of a building envelope.

Better Fit Equals Better Wall Performance

ROXUL COMFORTBATT is produced at a slight overthickness to ensure a friction fit within the wall cavity. The batts will stay in place and perform equally well in horizontal, sloped, dormer, vertical and overhead applications.

ROXUL COMFORTBATT® is quickly becoming the insulation of choice for today's green builders in commercial and residential construction.



A Global Leader

ROXUL Inc. is part of ROCKWOOL International, the largest producer of stone wool insulation, which is made from natural basalt rock and recycled material.

ROCKWOOL International was founded in 1909 and today operates worldwide with more than 8,800 employees, with 27 factories across three continents. For 25 years, ROXUL has been serving the North American market.

In addition to thermal insulation for commercial and residential construction, ROXUL also manufactures a range of other premium insulation products for multiple applications.

ROXUL is the Better Insulation

ROXUL COMFORTBATT® Steel Stud is an innovative insulation offering a world of green features. When ROXUL is the specified insulation, green building developers can earn a variety of LEED® (Leadership in Energy and Environmental Design) points across four key categories toward sustainable development.

Environmentally Sustainable

Our stone wool production process utilizes some of the most advanced technology available. The ROXUL facility is designed to capture and recycle rainwater, reduce energy consumption, and create zero waste to landfill by recycling raw materials back into the production process.

ROXUL insulations are created using naturally occurring, inorganic raw materials and materials with a high-recycled content. Stone wool insulation is non-combustible and achieves its thermal performance without the use of blowing agents. The products do not off-gas and are fully recyclable, therefore contributing to a sustainable environment.

ROXUL is pleased to have third-party certification of our products' recycled content for our Milton facility completed by **ICC -ES SAVE™**. All ROXUL products produced in the Milton facility contain a minimum of 40% recycled content. ROXUL products produced in our Grand Forks facility are currently awaiting ICC-ES Save™ certification.

ROXUL demonstrates its commitment to the environment through eco-friendly insulation products and green manufacturing processes.

For further details contact your ROXUL sales representative. Please visit www.roxul.com for the latest information.



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Fire Resistant



Water Repellent



Sound Absorbent



Saves Energy



Made from Stone