ROCKWOOL™

THERMAL BATT INSULATION
FOR STEEL STUDS

COMFORTBATT™ SS

Exterior Wall Steel Stud Batt Insulation

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

Stone Wool Significantly Outperforms Standard Glass Fiber Batts

The ROCKWOOL Difference

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

ROCKWOOL 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.

ROCKWOOL stone wool insulation is made from natural stone and **contains up to 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 ROCKWOOL BEDR™ Wall system, COMFORTBATT® Steel Stud insulation allows builders to achieve a thermal value of R24 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

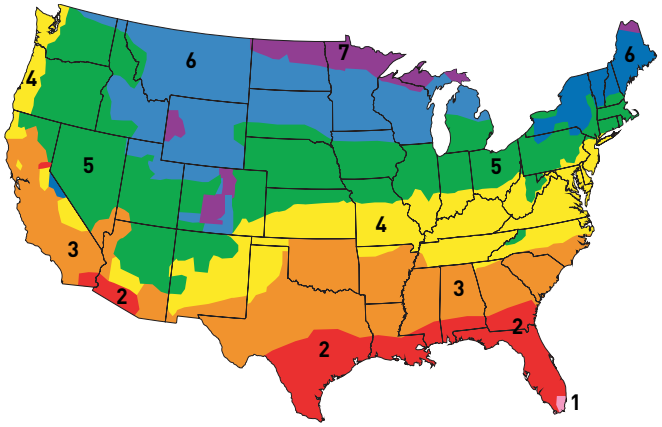
COMFORTBATT® Steel Stud Specifications

R-Value	Stud Spacing O.C.	Thickness	Width	Length
R10	16″	2.5″	16.25″	48″
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. ROCKWOOL 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
Charleston, 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

ROCKWOOL 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, ROCKWOOL 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

ROCKWOOL 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, ROCKWOOL COMFORTBATT® will not develop smoke or promote flame spread, even when directly exposed to fire.

No Compromise Over Time

ROCKWOOL 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

ROCKWOOL 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.

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

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.

ROCKWOOL
8024 Esquesing Line
Milton, ON L9T 6W3
Tel: 1 800 265 6878
rockwool.com