

# RockWool Premium Plus™

*Triple Protection Insulation*

*One Product Providing Extraordinary Benefits...*

Multi-Family Housing



Residential



Educational



Commercial / Medical



*Creating Rock-Solid Solutions, Protecting Your Environment*

- Energy Efficient – R-Values of 4.14 per inch
- Sound Control – STC Ratings as high as 69
- Fireproof – Listed by UL as Non-Combustible
- Environmentally Friendly – 60% Recycled, 40% Sustainable
- Improved Indoor Air Quality – Resists Mold, Mildew & Fungus



**AMERICAN ROCKWOOL MANUFACTURING, LLC**  
Manufacturer of Premium Rockwool Products  
Insulation \* Acoustical \* Cryogenic \* Horticultural Wools

# RockWool Premium Plus™

## Triple Protection Insulation

**DESCRIPTION:**

RockWool Premium Plus™ Insulation is a high quality mineral fiber manufactured in a granular form. This product is fireproof, soundproof, moisture resistant, non-corrosive, non-deteriorating, mildew-proof, vermin-proof and is the “greenest” insulation on the planet today. (see USGBC data below) RockWool Premium Plus™ can be blown dry into attics and other open or closed spaces. With the addition of Premium Plus Wall Adhesive or FST Overhead Adhesive RockWool Premium Plus™ can be sprayed into wall cavities or utilized on overhead applications creating a highly efficient, friendly and healthy environment.

**INSTALLATION:**

Caulk all framing abutments, windows and door placements. Where required, fill with acceptable fire-stopping material any areas that cannot be adequately reached with pneumatic fill of RockWool Premium Plus™ Insulation. Install the insulation into the area to be filled using specified pneumatic equipment. If utilizing an adhesive application, the equipment must be fitted with an auxiliary liquid pressure line designed to uniformly add adhesive to the RockWool Premium Plus™ Insulation. The moisture content should not exceed 10% - 15% maximum. The insulation must be sprayed using only approved materials and equipment in accordance with the current installation instructions. RockWool Premium Plus™ Insulation must be installed in conditions that enable activation of the adhesive. Sprayed cavities must be dry before enclosing with gypsum or other wallboard materials. Generally, 3 ½ " fills will be dry in 24 hours or less. 5 ½ " and greater will take a little longer depending on weather conditions. Allow extra time for low temperatures or high humidity conditions. **For complete installation instructions and videos visit our website at: [www.americanrockwool.com](http://www.americanrockwool.com) or contact your American Rockwool representative**

**PRODUCT DATA:**

RockWool Premium Plus™ Insulation is packaged in 30 lb. bags and should be stored under roof in a dry location. Rotate stock periodically and do not stack more than 11 bags high.

**TECHNICAL DATA:**

Application	Thickness	Nominal Density	R-Value Per Inch	Tested to ASTM C 518		Tested to ASTM E 84
				R-Value	Flame Spread	Smoke Development
Wall Spray	3.5"	4 pcf	4.14	R-15	0	0
	5.5"	4 pcf	4.14	R-23	0	0
Loose Blow Attic	8.8"	1.7 pcf	3.39	R-30	0	0
	11.2"	1.7 pcf	3.39	R-38	0	0
	14.4"	1.7 pcf	3.39	R-49	0	0



Uninsulated Wall Cavity



RockWool Filled Wall Cavity  
Fully Protecting Plumbing and Electrical

**STANDARD COMPLIANCE:**

ASTM 136	Non-Combustible (Fireproof)
ASTM E 119-0	Standard Test Methods for Fire Test for Const. & Materials
ASTM E 283-04	Rate of Air Flow (1.83 cfm/sf @ 50Pa & 3.68 cfm/sf @ 75Pa)
ASTM E 413	Sound Isolation Rating (Various Assemblies up to STC 69)
ASTM E 605 A	Standard Test Methods for Thickness and Density
ASTM C 1014	Standard Specification for Sprayed Applied Mineral Fiber
ASTM C 739	Smoldering Combustion (Pass)
ASTM C 553	Moisture Absorption (Pass)
ASTM C 665	Non-Corrosive (Pass)
ASTM C 1338	Mold & Fungus Resistance (Pass)
ICC-ES ESR-1191	Fire Resistive Construction
UL Classified R14191	Approved by the New York City Board of Standards and Appeals Under MEA #352-98-M
CCMC 14022-L (Canada)	CAN/ULC-SS702-09, “Standard for Mineral Fibre Thermal for Buildings”
UL Rated Wall Assemblies	U-301, U-305, U-387, U-390, U-423, U-425, V-310, V-318, V-319

- Thermal Protection
- Sound Control
- Fire Stopping and Containment
- Improved Indoor Air Quality
- Environmentally Friendly



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Building with Energy and Sustainability Today with the Focus on the *Future*.

**60% Recycled Content**  
**40% Sustainable**

- Energy & Atmosphere
- Materials & Resources
- Indoor Environmental Quality
- Innovation in Design

**Up to 31 LEED Credits in 4 Categories**