



[Manuals.plus](#) /

> [BRB Products](#) /

> BRB Products Rockwool SL960 8 lb Density Stone Wool Insulation Manual

## BRB Products SL960

# BRB Products Rockwool SL960 8 lb Density Stone Wool Insulation Manual

Model: SL960 | Brand: BRB Products

## INTRODUCTION

---

This manual provides essential information for the safe and effective installation and use of BRB Products Rockwool SL960 8 lb Density Stone Wool Insulation Batts. This high-density insulation is engineered for superior acoustic and thermal control, offering a solution for creating safer, quieter, and more energy-efficient environments. Made from natural stone, it is non-combustible and resistant to moisture, ensuring long-term performance.

## SAFETY INFORMATION

---

Always prioritize safety during handling and installation. Adhere to the following guidelines:

- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including gloves, eye protection (safety glasses), and a dust mask (N95 or equivalent) to prevent skin irritation and inhalation of fibers.
- **Ventilation:** Ensure adequate ventilation in the work area to minimize airborne fibers.
- **Handling:** Handle insulation batts carefully to avoid excessive dust generation.
- **Storage:** Store insulation in a dry area, protected from moisture and direct sunlight.
- **Disposal:** Dispose of waste material according to local regulations.

## PRODUCT FEATURES

---

The BRB Products Rockwool SL960 insulation offers several key advantages:

- **High Density (8 lb):** Provides superior sound blocking and absorption, resulting in a higher Sound Transmission Class (STC) rating. This density also contributes to enhanced thermal performance (R-value).
- **Maximum Fire Resistance:** Non-combustible stone wool withstands temperatures up to 2150°F (1177°C), offering critical fire protection without producing toxic smoke or contributing to flame spread.
- **Professional-Grade Soundproofing:** The dense, non-directional fiber structure effectively eliminates airborne noise, making it suitable for various applications requiring quiet environments.

- **Enhanced Thermal Performance:** Offers outstanding thermal resistance, reducing heat loss in winter and heat gain in summer, leading to lower energy bills and consistent indoor temperatures.
- **Rigid & Durable Composition:** The 8 lb density ensures superior rigidity and compressive strength, preventing sagging or slumping in wall cavities over time and maintaining a continuous thermal and acoustic barrier.
- **Water Repellent & Vapor Permeable:** Inherently resistant to moisture, allowing any moisture that enters the wall cavity to dry out, safeguarding the structure from rot and ensuring a healthier building envelope.

## INSTALLATION GUIDE

---

Follow these steps for proper installation of Rockwool SL960 insulation batts:

### 1. Preparation

1. Ensure the work area is clean, dry, and free from debris.
2. Wear all recommended personal protective equipment (PPE).

### 2. Measuring and Cutting

1. Measure the dimensions of the cavity or area where the insulation will be installed.
2. Using a utility knife or a serrated insulation knife, cut the insulation batts to the required size. For a snug fit, cut the batt slightly wider than the opening.

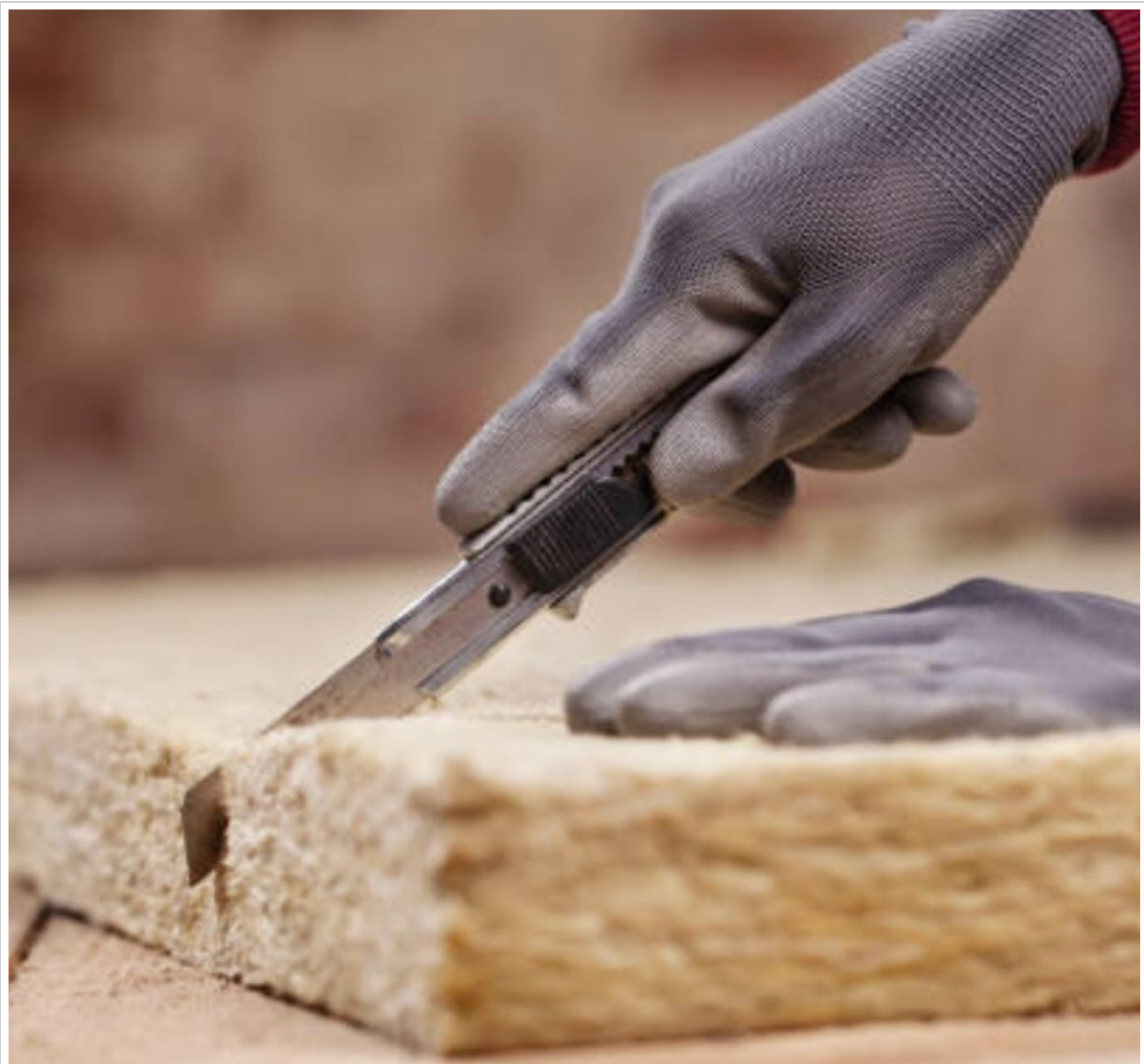


Image: A hand wearing a glove uses a utility knife to cut a Rockwool insulation batt on a flat surface. The batt appears

dense and fibrous.

### 3. Placement

1. Gently compress the batt and fit it into the wall, ceiling, or floor cavity.
2. Ensure the insulation fills the cavity completely without leaving any gaps or voids.
3. Avoid over-compressing the insulation, as this can reduce its thermal and acoustic performance. The material should fit snugly but not be squashed.



Image: A worker wearing safety glasses and gloves is installing a Rockwool insulation batt into a wooden wall cavity. Another batt is already in place to the right.

### 4. Sealing (Optional but Recommended)

1. For optimal thermal and acoustic performance, seal any remaining small gaps around the installed insulation with appropriate acoustic sealant or tape.

## PERFORMANCE CHARACTERISTICS

---

The Rockwool SL960 insulation provides the following performance benefits:

- **Exceptional Sound Control:** Its high density and fibrous structure effectively reduce airborne noise, creating quieter indoor environments.
- **Consistent Thermal Regulation:** Maintains stable indoor temperatures by minimizing heat transfer, leading to energy savings.

- **Superior Fire Safety:** As a non-combustible material, it acts as a fire barrier, providing crucial time for evacuation and reducing fire spread.
- **Moisture Management:** The water-repellent and vapor-permeable properties help prevent mold and mildew growth, contributing to a healthier building.
- **Long-Term Stability:** Resists sagging and maintains its shape and performance over decades, ensuring a durable insulation solution.

## MAINTENANCE

---

Rockwool SL960 insulation requires minimal maintenance. However, periodic checks are recommended:

- **Regular Inspection:** Periodically inspect installed insulation for any signs of damage, displacement, or moisture intrusion.
- **Damage Repair:** If any sections are damaged, carefully remove the affected batt and replace it with a new one to maintain optimal performance.
- **Moisture Prevention:** Ensure the insulation remains dry. Promptly address any leaks or sources of moisture in the building envelope.

## TROUBLESHOOTING

---

If you experience issues with your insulation, consider the following:

- **Reduced Soundproofing or Thermal Performance:**
  - Check for any visible gaps or voids in the insulation installation.
  - Ensure the insulation was not overly compressed during installation.
  - Verify that all air leaks in the building structure (e.g., around windows, doors, electrical outlets) are properly sealed.
- **Skin Irritation During Handling:**
  - Always wear appropriate PPE, including long sleeves and gloves, when handling insulation.
  - If irritation occurs, rinse the affected skin area with cool water.

## SPECIFICATIONS

---

# ProRox® SL 960<sup>NA</sup>

ProRox® SL 960<sup>NA</sup> is a rigid mineral wool (stone wool) insulation board for high temperature industrial applications subject to light mechanical loads.



## Product properties in accordance with ASTM C612

Properties	Performance								Norms
Thermal conductivity	T <sub>m</sub> (°F)	100	200	300	400	500	600	700	ASTM C177
	λ (BTU.in/hr.ft².°F)	0.24	0.29	0.35	0.41	0.47	0.56	0.68	
	T <sub>m</sub> (°C)	38	93	149	204	260	316	371	
	λ (W/mK)	0.035	0.042	0.050	0.059	0.068	0.081	0.098	
Maximum Service Temperature	Hot Surface Performance: 1200°F- (650°C) Non-Combustible Linear Shrinkage: ≤ 1 % at 1200°F- (650°C)								ASTM C411 ASTM E136 / CAN4 S114 ASTM C356
Reaction to fire	Surface burning characteristics Flame spread index = 0 ; Smoke development index = 0								ASTM E84 (UL 723) CAN/ULC S102
Density	Actual Density = 5.8 lb/ft³ - (93 kg/m³) Nominal Density = 8.0 lb/ft³								ASTM C303
Corrosion resistance**	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel = Passed Corrosion of Steel = Passed								ASTM C692 ASTM C665
Chemical Analysis**	(Salts: Cl <sup>-</sup> , F <sup>-</sup> , Na <sup>+</sup> , SiO <sub>4</sub> <sup>4-</sup> ) Results fall within acceptability limits of ASTM C795								ASTM C795 / ASTM C871
Thermal Resistance	R-Value / inch @ 75°F RSI value / 25.4mm @ 24°C				4.2 hr. ft².°F/BTU 0.74 m² K/W				ASTM C518 (C177)
Water Absorption/ Vapor Sorption	< 1 % Weight								ASTM C1104
Compressive strength	167psf (8kPa) @ 10 % compression								ASTM C165
Compliance	Complies with Type: IVB								ASTM C612
ROCKWOOL Technical Insulation offers a wide range of facings, dimensions and thicknesses. Please contact us for further information.									

\*\* Provisions for lot testing may be required, consult manufacturer.

Surface Burning Characteristics: UL Listed to Canadian standard CAN/ULC S102 ; UL Classified to UL 723



As ROXUL® Inc has no control over installation design and workmanship, accessory materials or application conditions, ROXUL® Inc. does not warranty the performance or results of any installation containing ROXUL® Inc's products. ROXUL® Inc's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.

®/TM: US - owner ROCKWOOL International A/S used under license; Canada - owner Roxul Inc.

**ROCKWOOL Technical Insulation**  
www.rockwool.com

PRODUCT DATA SHEET: ProRox® SL 960<sup>NA</sup>  
Issued 20-12-2017, Supersedes 20-10-2015  
**PROROX INDUSTRIAL INSULATION**

Image: A technical data sheet for Rockwool ProRox SL 960NA, showing properties, performance, and norms.

Specification	Detail
Product Name	Rockwool 8 lb Density Stone Wool Insulation Batts
Model Number	SL960
Brand	BRB Products
Material Type	Stone Wool (Mineral Wool)
Density	8 lb

Specification	Detail
Dimensions (per batt)	2" Thick, 2' x 4' (approx. 60.96 x 121.92 x 5.08 cm)
Quantity	7-Pack
Total Item Weight	24 kg
Fire Resistance	Withstands up to 2150°F (1177°C)
Recommended Uses	Noise Insulation, Thermal Insulation, Fire Resistance, Long Term Performance
UPC	685757189033

## WARRANTY AND SUPPORT

---

Specific warranty information for BRB Products Rockwool SL960 insulation is not provided in this manual. For details regarding product warranty, technical support, or any inquiries, please contact BRB Products directly through their official website or customer service channels. Ensure you retain your proof of purchase for any warranty claims.