



SealTech Comprehensive Installation Guide:

Double-Sided Aluminum Foil Insulation

Introduction

SealTech's double-sided aluminum foil insulation is a versatile and highly effective solution for enhancing thermal efficiency in walls, attics, garages, roofs, HVAC ducts, crawl spaces, windows, and more. This guide provides step-by-step instructions for each application, ensuring you achieve professional results while maximizing energy savings.

Tools and Materials Needed

1. SealTech Double-Sided Foil Insulation
2. Aluminum Foil Tape (SealTech recommended)
3. Staple gun with staples
4. Measuring tape
5. Utility knife or scissors
6. Heat-resistant adhesive
7. Zip ties or clamps (for ductwork)
8. Cleaning materials (cloth, broom, or vacuum)
9. Safety gear (gloves, goggles, and dust mask)

General Guidelines

1. Prepare the Surface: Ensure all surfaces are clean, dry, and free of debris for proper adhesion.
2. Measure Accurately: Measure the installation area carefully, allowing 2-3 inches extra for overlaps.
3. Cut Precisely: Cut insulation smoothly to minimize air gaps.
4. Seal Thoroughly: Use high-quality aluminum foil tape to seal all seams and overlaps, creating an airtight barrier.

1. Wall Insulation

Use Case : Ideal for interior and exterior walls in residential and commercial buildings.

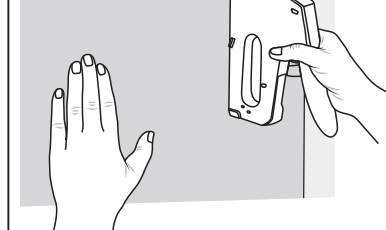
Steps:

1



Prepare the Wall: Clean the surface and check for damage. Repair if necessary.

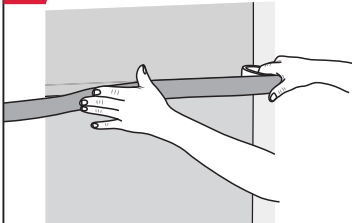
2



Attach Insulation:

- Position insulation with the reflective side facing outward (towards the heat source).
- Secure to studs with a staple gun or adhesive.

3



Seal Seams: Overlap pieces by 2-3 inches and seal with aluminum foil tape.

4

Finish: Cover with drywall or other finishing materials.

Tips:

- Use a weatherproof barrier for exterior walls.
- Eliminate air gaps by pressing insulation firmly against studs.


2. Attic Insulation

Use Case : Reduces heat transfer through attic ceilings and floors, improving overall home efficiency.

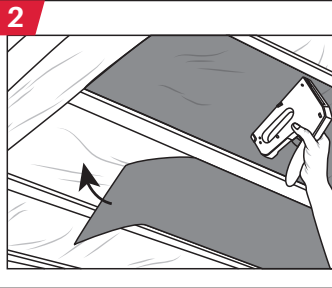
Steps:

1

Prepare the Area: Clear the attic of debris and ensure all surfaces are dry.

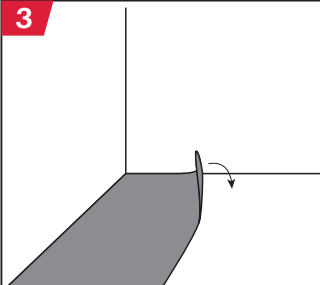


2



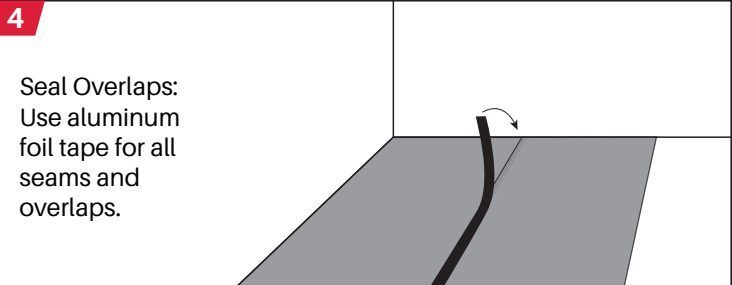
Install Under Roof Beams: Attach insulation with the reflective foil facing downward for radiant heat reflection. Use staples or adhesive at 12-16 inch intervals to secure.

3



Install on Floors (Optional): Lay insulation flat with the reflective side facing upward.

4



Seal Overlaps: Use aluminum foil tape for all seams and overlaps.

Tips :

- Ensure proper ventilation to prevent moisture buildup.
- Cut insulation precisely around fixtures and vents.

2. Crawl Space Insulation

Use Case : Improves energy efficiency by reducing heat loss and moisture issues in crawl spaces.

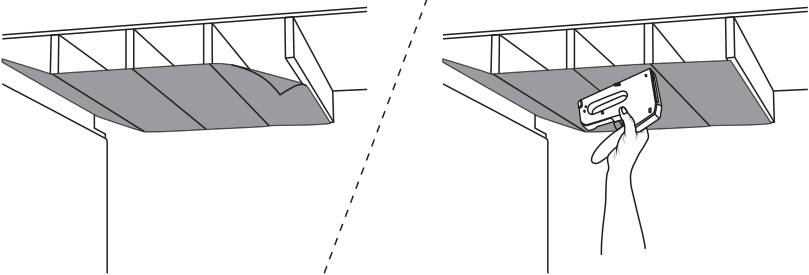
Steps:

1 Prepare the Crawl Space:
-Clear out debris and ensure the area is dry.-Repair any visible damage to walls or floors.

2

Install on Crawl Space Walls:

- Attach insulation with the reflective foil facing inward (towards the crawl space interior).
- Use adhesive or a staple gun to secure the insulation to the walls.
- Overlap seams by 2-3 inches and seal with foil tape.



3

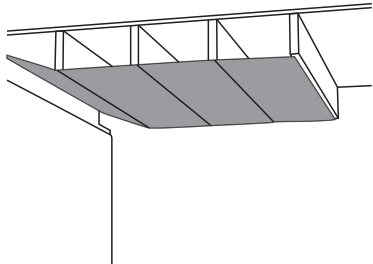
Insulate the Floor (Optional):

- If additional insulation is required, install insulation directly under the floor above the crawl space.
- Secure with staples and seal overlaps with foil tape.

3

Inspect and Seal:

- Ensure all seams and edges are sealed to prevent air leakage and moisture intrusion.



Tips :

- Ensure proper ventilation to prevent moisture buildup.
- Cut insulation precisely around fixtures and vents.

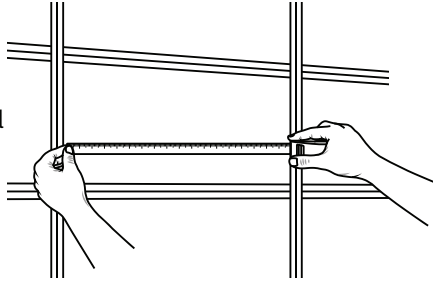
4. Garage Door Insulation

Use Case : Reduces heat loss and gain through single-layer or double-layer garage doors.

Steps:

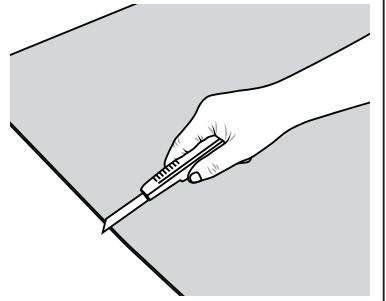
1

Measure Panels:
Measure each garage door panel individually.



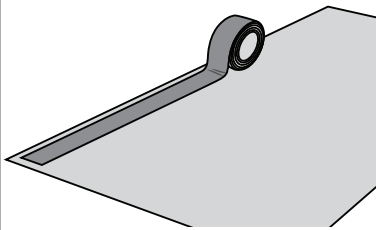
2

Cut Insulation:
Cut insulation to fit each panel, leaving slight excess for a snug fit.



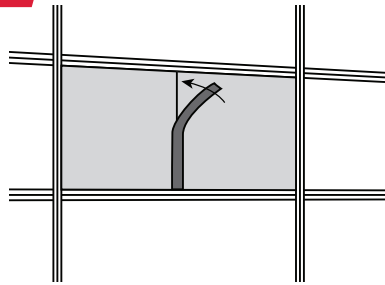
3

Attach to Panels:
Use adhesive or foil tape to secure insulation to the inside of the panels.



4

Seal Edges:
Tape the edges to create an airtight seal.



- Tips :**
- Test garage door operation to ensure insulation does not interfere.
 - Double-layered doors may require less adhesive

5. Roof Insulation

Use Case : Improves energy efficiency in sloped or flat roofs by reducing heat transfer.

Steps:

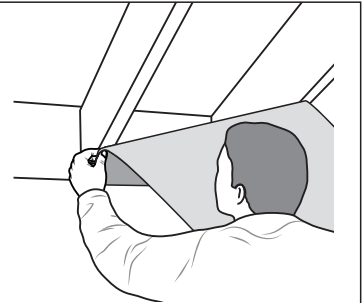
1

Clean the Roof Structure:
Ensure the surface is dry and free of debris.



2

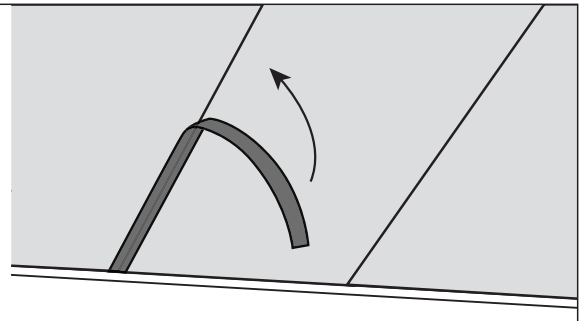
Install Under Roof Beams:
Attach insulation with the reflective foil facing outward.



3

Seal Seams: Overlap pieces and use foil tape to seal seams.

Inspect: Ensure insulation is smooth, taut, and fully sealed.



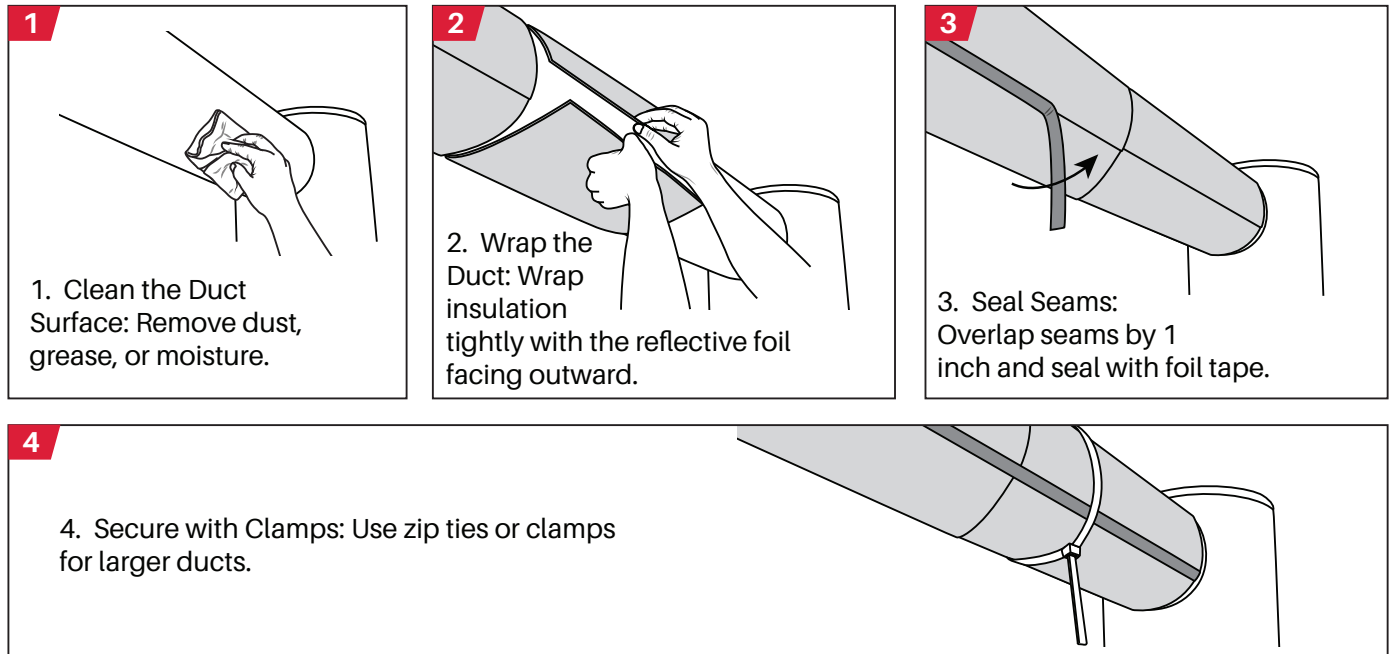
Tips :

- Test garage door operation to ensure insulation does not interfere.
- Double-layered doors may require less adhesive

6. HVAC Duct Insulation

Use Case : Improves ductwork energy efficiency and prevents condensation.

Steps:



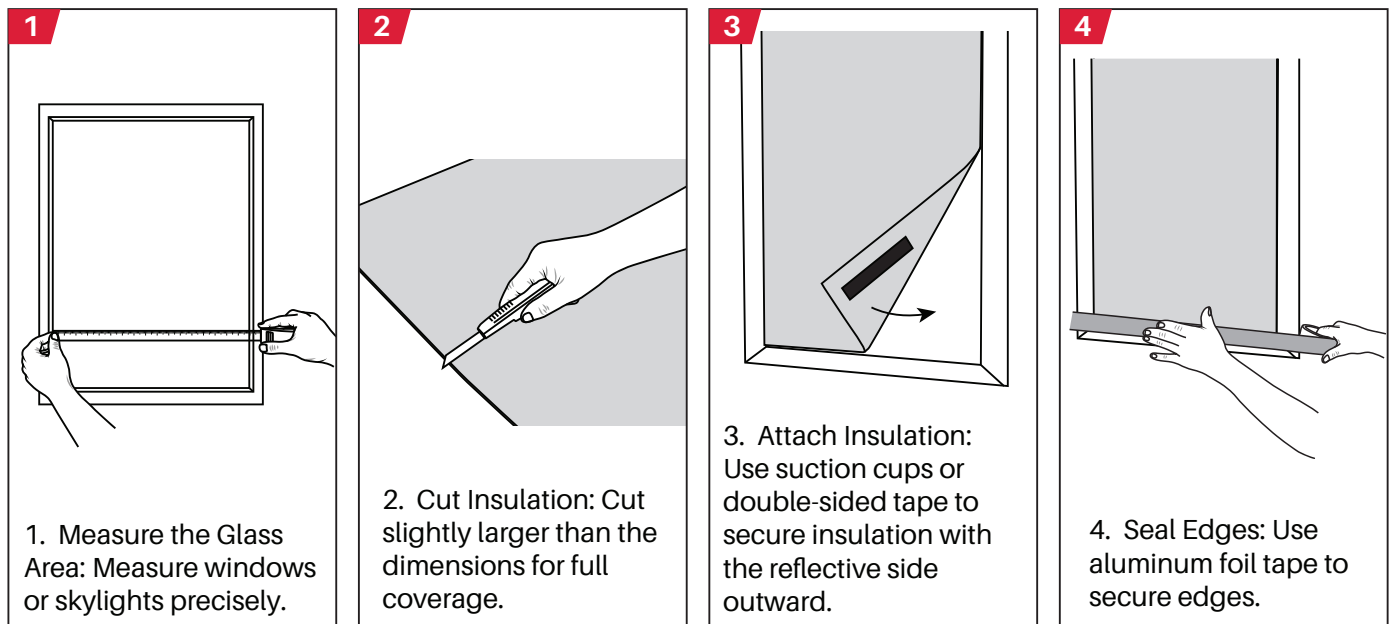
Tips :

- Avoid direct contact with high-heat sources.
- Maintain a 1-inch clearance from heating elements

7. Window and Skylight Insulation

Use Case : Reduces solar heat gain and improves comfort in homes and offices.

Steps:



Tips :

- For temporary use, avoid permanent adhesives.
- Ensure ventilation openings are unobstructed.

Safety Guidelines

1. Wear protective gloves and goggles during installation.
2. Use only fire-rated SealTech insulation products.
3. Ensure adequate ventilation to prevent moisture buildup.
4. Follow local building codes and safety standards.

Why Choose SealTech?

- Exceptional Thermal Performance: Reflects up to 97% of radiant heat.
- Durable and Lightweight: Easy to handle and long-lasting.
- Versatile Applications: Suitable for walls, attics, roofs, crawl spaces, and more.
- Eco-Friendly Solution: Reduces energy consumption and carbon footprint.

Customer Support

For questions, professional advice, or installation assistance, contact SealTech:

- Phone: [Insert Contact Number]
- Email: [Insert Email Address]
- Website: [Insert Website URL]

With SealTech, transform your spaces into energy-efficient havens! Let me know if you need visuals or additional adjustments.