

How to Use 20mm GlassMAT HR – Installation Instructions

GlassMAT HR (High-Resilience) insulation is a high-performance, 20mm thick material designed to provide excellent thermal and acoustic insulation for campervans, boats, and other vehicles. Its flexible structure makes it ideal for use in a variety of applications, offering durability and ease of installation. Follow these instructions to achieve the best results with your 20mm GlassMAT HR.



Step 1: Tools and Materials Checklist

Before starting, gather the following tools and materials:

- **20mm GlassMAT HR insulation sheets**
- Measuring tape
- Marker or chalk for marking cuts
- Electric knife
- Cleaning materials (alcohol wipes or degreaser)

- Roller or firm object for pressing
- Aluminum foil tape (optional, for sealing seams)
- Gloves and safety goggles

Step 2: Prepare the Installation Surface

- 1. Clean the Area:**
 - Wipe down the surface to remove dust, dirt, grease, or other contaminants. Use alcohol wipes or a degreaser for a thorough clean.
 - Ensure the area is dry before proceeding.
- 2. Inspect the Surface:**
 - Check for any sharp edges, screws, or debris that could interfere with the installation or damage the material.

Step 3: Measure and Cut GlassMAT HR

- 1. Measure the Target Area:**
 - Use a measuring tape to determine the exact dimensions of the area you want to insulate.
- 2. Mark the Insulation:**
 - Lay the GlassMAT HR sheet flat and mark your measurements with a marker or chalk.
- 3. Cut to Size:**
 - Cut the insulation with a electric knife, following the marked lines.
 - Take care to create clean, precise edges for easy installation and minimal gaps.

Step 4: Install the GlassMAT HR Insulation

- 1. Position the Material:**
 - Align the insulation with the surface, ensuring it covers the target area without gaps.
- 2. Press into Place:**
 - Start pressing from one edge, working across the surface to ensure full adhesion.
 - Use a roller or firm object to press down the material and eliminate any air bubbles or wrinkles.
- 3. Trim Excess Material:**
 - If the insulation extends beyond the target area, carefully trim the excess for a neat finish.

Step 5: Seal Edges and Seams (Optional)

- 1. Use Aluminum Foil Tape:**
 - For extra durability and seamless insulation, seal the edges and seams with aluminum foil tape.
- 2. Inspect for Gaps:**
 - Double-check that all edges and seams are properly sealed to maximize the insulation's effectiveness.

Step 6: Test the Installation

1. **Inspect the Coverage:**
 - Ensure the insulation is firmly attached and fully covers the target area.
2. **Evaluate Effectiveness:**
 - Check for noticeable improvements in temperature regulation and soundproofing.

Where to Use 20mm GlassMAT HR

GlassMAT HR is versatile and can be applied in various areas of your campervan or boat:

- **Campervans and Motorhomes:** Walls, floors, ceilings, and doors to enhance thermal efficiency and soundproofing.
- **Boats:** Hulls, engine bays, and storage compartments to control noise, reduce vibration, and improve temperature regulation.
- **Vehicles:** Ideal for lining doors, wheel arches, and bulkheads to minimize road noise and heat transfer.

Tips for Best Results

1. **Install in Moderate Temperatures:**
 - For optimal flexibility and adhesive performance, install in temperatures above 10°C (50°F).
2. **Combine Materials:**
 - Pair GlassMAT HR with other insulation products, such as sound-deadening mats or vapor barriers, for comprehensive insulation.
3. **Plan Your Layout:**
 - Pre-cut and layout the pieces before applying adhesive to streamline the installation process.
4. **Inspect Periodically:**
 - Check the insulation periodically, especially in high-moisture or high-vibration areas, to ensure it remains secure.

GlassMAT HR is an excellent solution for insulating your campervan or boat, offering superior thermal and acoustic performance. With proper installation, you can create a more comfortable and quieter environment. For high-quality insulation products and more expert tips, visit campervaninsulation.co.uk.