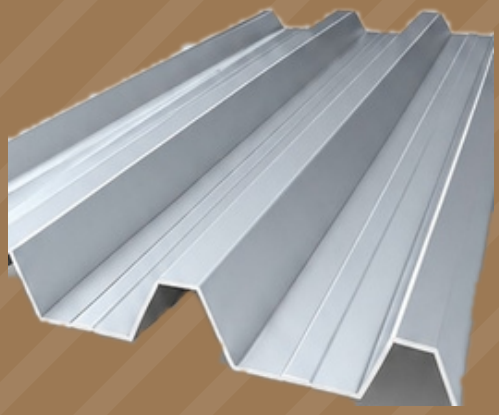
SELF-ADHESIVE ACOUSTIC DAMPING SHEET FOR METAL ROOFS

# Quiet Roof
## Damping Sheet



**Acoustica Quiet Roof** is a lightweight, foil-faced, self-adhesive damping sheet applied to the underside of profiled metal roof panels to reduce rain impact noise, resonance and reverberation.

Its viscoelastic construction minimises vibration and structure-borne noise, for new build and refurbishment.

| 2.15 kg/m² | 1.16 mm | 0.20 | 15 N/25mm |
|---|---|---|---|
| NOMINAL MASS PER AREA | NOMINAL THICKNESS | PEAK DAMPING LOSS FACTOR (10 °C) | MINIMUM ADHESIVE PEEL STRENGTH |

## TECHNICAL INFORMATION

| | |
|---|---|
| Construction | Aluminium foil / damping sheet / acrylic self-adhesive backing |
| Release liner | White polyolefin |
| Apparent density | 1,850 kg/m³ (±10%) · DIN EN 1602 |
| Nominal mass per area | 2.15 kg/m² (±10%) |
| Nominal thickness | 1.16 mm (+20% / −10%) |
| Adhesive peel strength | 15 N/25 mm minimum on aluminium · internal method |
| Reaction to fire | Pass · FMVSS 302 |
| Colour / appearance | Silver front / white back |

Material values describe the supplied damping sheet. Acoustic improvement of a complete roof system depends on its construction and should be verified for the specified assembly.

## KEY BENEFITS

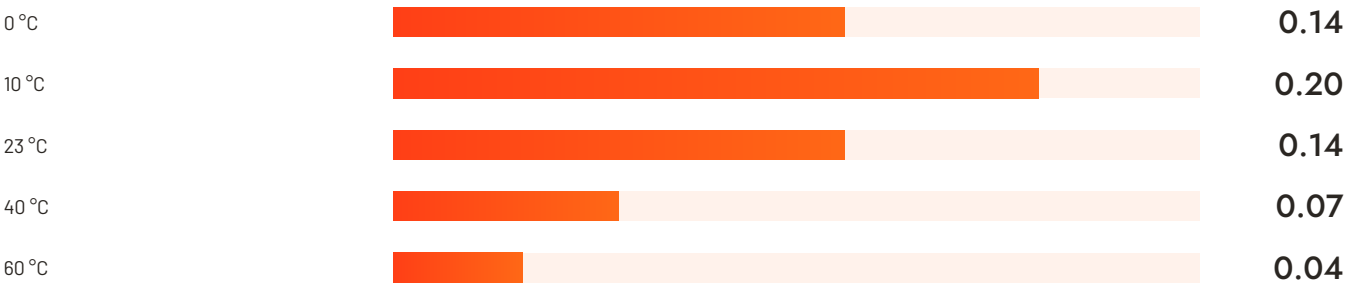
- **RAIN NOISE REDUCTION**
  Reduces noise from rain impact on metal roof sheets.
- **METAL ROOF APPLICATION**
  For acoustic improvement systems on profiled metal roofing.
- **LIGHTWEIGHT SELF-ADHESIVE LAYER**
  Effective damping without adding excessive weight.
- **EASY INSTALLATION**
  Simple to position and apply during roof installation.

## APPLICATIONS

- Industrial buildings
- Commercial buildings
- Agricultural buildings
- New build and refurbishment

# DAMPING PERFORMANCE

## DAMPING LOSS FACTOR




Loss factor determined to Volvo Standard 1024,1612. It is a material damping measure, not a measured roof-system airborne or rain-noise reduction in dB.

## MASS BREAKDOWN

| | |
|---|---|
| Damping / barrier layer | 1.80 kg/m² |
| Aluminium foil | 0.25 kg/m² |
| Acrylic adhesive | 0.10 kg/m² |
| **Total nominal mass** | **2.15 kg/m²** |

## AVAILABLE FORMAT

| | |
|---|---|
| Roll | 246 mm × 15 m |

Supplied with a white polyolefin release liner over the acrylic self-adhesive backing.

# INSTALLATION

1. **Prepare the surface.** Ensure the metal substrate is clean and dry, free from dust, oil, grease or other contamination. Confirm adhesion suitability on the actual surface finish.
2. **Measure and cut.** Determine the required coverage and cut sheets to fit the approved locations. Allow for the profile geometry and keep roof fixings and other details accessible.
3. **Peel and position.** Remove the white release liner progressively. Place the adhesive side against the substrate and carefully form the sheet to the metal panel surface.
4. **Press to bond.** Apply firm, even hand or roller pressure to form the bond. Check edges, corners and shaped areas for full contact with the substrate.

Confirm substrate and roof-system compatibility before installation. This sheet does not replace project-specific detailing.

## NEED TECHNICAL ADVICE?

Our technical team can help with specification, installation and product queries.

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www.acousticasoundproofing.co.uk

SCAN TO VISIT

**Disclaimer**

The information in this document is based on the manufacturer's technical knowledge at the time of publication. Installation conditions, substrates, adhesives and finishes may vary. Installers must ensure all products are suitable and compatible for the intended application and follow the relevant manufacturer's instructions. Contact Acoustica for technical guidance where required.