



# Advanced Acoustics 2mm/5kg Acoustic Soundproofing Mat

## Data Sheet

### Material Description

Advanced Acoustics 2mm Soundproofing Mat is a flexible polyolefin sound barrier mat. This unique PVC free material has a proprietary polymer structure composed of a blend of polymers compounded with mineral fillers. It can be made use of as the sole sound absorption layer or as part of a multilayer composite with other materials.

### Key Benefits

- Environmentally Sustainable: Manufactured from pre and post industrial waste sources.
- Sustainable: 100% recyclable at the end of it's life.
- Safer Disposal: poses fewer environmental risks and has a higher potential for mechanical recycling.
- Free from PVC, Plasticizers and Stabilizers.
- Clean and Non-staining.
- Low tack easy to cut.
- Free from Lead.
- Free from Bitumen.

### Typical Properties

Size	1.25m by 3m
Specific Gravity	1.90 gm/cc
Weight	5kg/m <sup>2</sup>
Thickness	2.6mm
Hardness	76 (Durometer Shore A, 1 sec dwell)
Tensile Strength	0.9mpA (JISK6251)



Elongation at break >100% (JISK6251)

Dimensional Stability <2% (4hr @ 100 oC)

Surface Tension >44 dynes/cm

Flammability <100 mm/min (FMVSS 302)

Acoustic Properties (Airborne Sound Insulation) – to ISO R140 Free Hanging Curtain

100Hz – 10 R(db)

200Hz – 15

500Hz – 20

1000Hz – 28

2000Hz – 33

4000Hz – 38