

MATERIAL DESCRIPTION & PROPERTIES

ACM15 is an engineered cork and rubber composite material used to damp vibration before it is radiated as noise and before it is transmitted to other system components.

Used as core material in constrained damping layer constructions (sandwich panels).

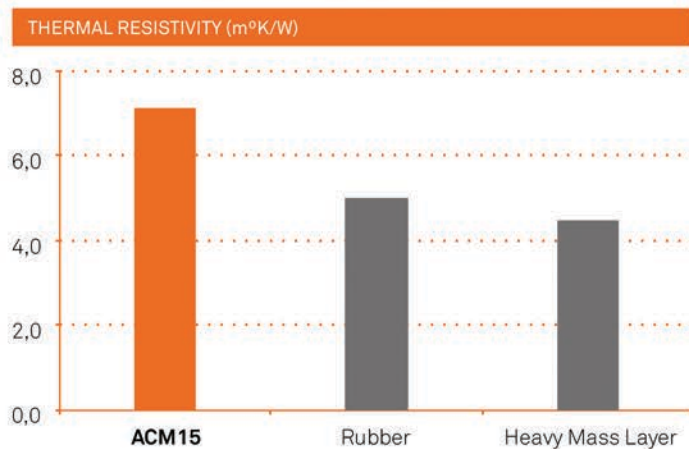
This product is suitable to be bonded to many different substrates like:

- Plywood
- Aluminum
- Steel
- GRE (Glass Reinforced Epoxy)
- GRP (Glass Reinforced Plastic)
- Carbon fiber sheets

using existing industry adhesives and technologies.

Features:

- Non-hazardous
- Meets FMVSS302 fire resistance
- Wear-resistant
- Low water absorption
- Good dimensional stability
- Non brittle
- No mould growth



Density (kg/m ³) ⁽¹⁾	650
Tensile Strength (MPa) ⁽²⁾	1,3
Compression Set - 50% def, RT(%) ⁽³⁾	15
Thermal Resistivity (m ² K/W) ⁽⁴⁾	7,1
Stress at 10% compression (MPa)	0,83
Glass Transition Temperature (T _g) (°C)	- 65
Loss Factor at 20 °C at 1 Hz	0,2
Max Loss Factor at 1Hz	0,26 @ -54°C

⁽¹⁾ ASTM F1315

⁽²⁾ ASTM F152

⁽³⁾ ISO 1856

⁽⁴⁾ ISO 8301

ACM15 IS FREE OF:

- PVC (Poly Vinyl Chloride)
- Heavy Metals (Pb, Cd, Hg and Cr (VI))
- Formaldehyde

Comply with RoHS and ELV 2000/53/EC European Directives