



## HEAVY MASS LAYER



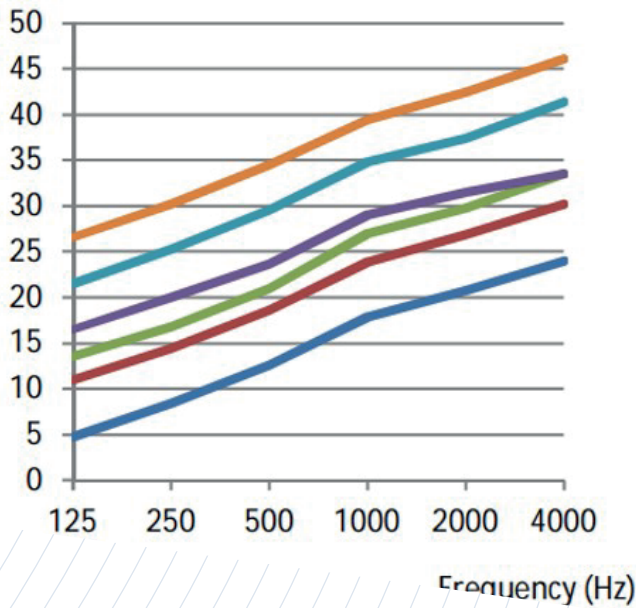
### PRODUCT INFORMATION:

Heavy mass layer can be applied unto lightweight structures such as aluminium and composite to reduce radiation and to increase the damping of the structure. The heavy mass layer can also be used to reduce airborne noise transmission as shown in the below graph.

### Properties

- Sound insulating
- High density
- Very flexible
- Available from stock
- CE-certificate for yacht building

### Airborne sound insulation R (dB) NEN-EN-ISO 140



**Line colors:** BLUE is 2 kg/m² | RED is 4 kg/m² | GREEN is 5 kg/m² | Purple is 7.5 kg/m² | LIGHT BLUE is 14 kg/m² | ORANGE is 24 kg/m²

### MATERIAL PROPERTIES:

#### Characteristics

- **Type Material:** PVC (Polyvinylchloride)
- **Base Colour:** Anthracite
- **Possible Finishing:** Hessian backing, black topcoat  
Hessian backing on both sides
- **Density:** 2,500 kg/m³
- **Fire Behaviour:** FMVSS 302 self-extinguishing
- **Thickness Tolerance\*:** -10% / +20%
- **Weight Tolerance\*:** -10% / +10%
- **Hardness:** 90 Shore A
- **Tensile Strength Monolayer:** 2.6 MPa (gem.), 1.1 MPa (min.)
- **Elong. at break Monolayer:** 100% (gem.), 30% (min.)
- **Operating temperature:** -30C to ca. +93C  
Short exposure to extremes