

## **NoViBar X2**

### **Mineral Loaded Vinyl Sound Barrier**

**NoViBar X2** is a series of dense, flexible sound barrier materials made of mineral loaded PVC sheet. Several types having various specific weights are available. **NoViBar X2** is suitable for application as a free hanging sound barrier on its own or configured between layers of absorption materials such as Aisol Glasswool or NoViTech Melamine foams.

Typical applications are as an effective barrier in engine room and cabins against low frequency noise and as a damping-barrier material on air

conditioning ducts, pipes and sound enclosures. **NoViBar X2** is also extruded with a muslin face for structural bonding in plywood floors and partitions.

Standard supply is as an extruded sheet. **NoViBar X2** is also manufactured as a cast sheet or in special flame retardant formulations. PSA backing and muslim bonded faces are also available.

Color : charcoal gray

Odor: Slight PVC

Consistency: solid, sheet

Density: 1800 kg/m<sup>3</sup>

Specific weight: X2-2.2 - 2.2 kg/m<sup>2</sup> (0.5 lb/ft<sup>2</sup>), thickness 1.3 mm

X2-5.0 - 5.0 kg/m<sup>2</sup> (1.0 lb/ft<sup>2</sup>), thickness 2.5 mm

X2-7.5 - 7.5 kg/m<sup>2</sup> (1.5 lb/ft<sup>2</sup>), thickness 4.0 mm

Packaging: Standard width 1370mm (54") Standard lengths: 15, 30, 45 meter rolls.

Physical and chemical properties: clean, dry sheets non-toxic, non-irritant

Health hazards: none

Fire hazards (core): sustained ignition, material will burn to produce dense smoke; fire retardant to DIN 53438

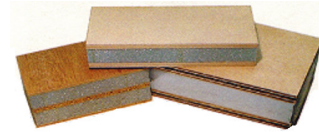
**NoViBar X2** is easy to cut with either a knife or band saw. Service temperatures ranges from -30 °C up to 80 °C are recommended. Resistant to water, oil, fuel and diluted acids.

#### Storage:

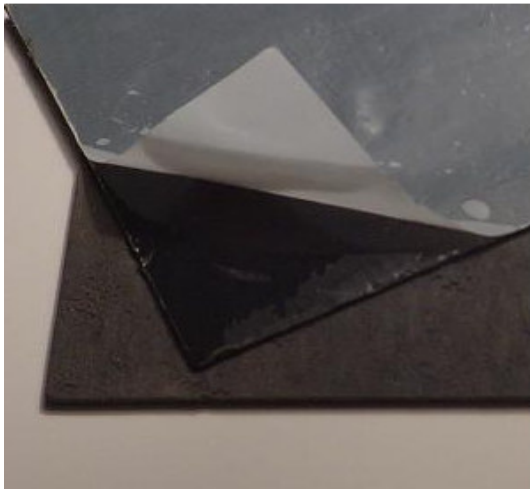
- do not expose to direct sunlight - best storage temperature is about 15 °C to 20 °C

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## NoViDamp-VE

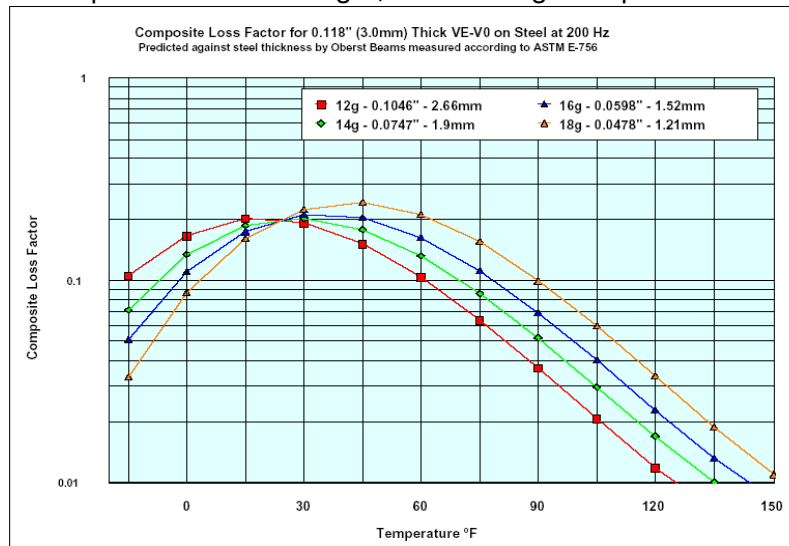


**PSA Backed Damping Sheet**  
**NoViDamp-VE** provides a clean, flexible vibration damping solution for metal and GRP composite panels. Outstanding damping characteristics are achieved through superior technical manufacturing that orients and overlaps mineral filler platelets. Very high damping loss is achieved over a broad temperature and frequency range. **NoViDamp-VE** also exhibits excellent physical and adhesion properties as well as high chemical and flame resistance and low smoke generation.

Typical applications are on machinery enclosures, foundations and base pans, metal tanks and hull surfaces. **NoViDamp-VE** is readily die-cut and formed.

### Typical Properties

Type: Mineral filled viscoelastic polymer      Color: charcoal gray      Odor: Slight- PVC  
 Hardness: 93 shoreA (ASTM D2240)      Tensile: 10 Mpa (ASTM D412)      Tear: 2.4kg/mm (ASTM D624)  
 Density: 1600 kg/m<sup>3</sup>      Thickness: 1.3mm up to 12mm      Size: 1370mm (54") x 15M roll  
 Flammability: **UL94 HF1, V0 FAR 25.853 (6) vertical ASTM E162, E662** special formulation  
 Storage: - do not expose to direct sunlight, -best storage temperature is about 15 °C to 20°C



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