



Damping Sheets & Compounds

self-adhesive pads and compounds used for sound and vibration damping

Damping Sheets

Industrial Soundamp E vibration damping sheet is a self-adhesive pad used for sound and vibration damping on metal panels. The adhesive side is smooth, giving complete contact with the underlying surface without air pockets or channels.

Soundamp E is odorless, wear-resistant and impregnated to prevent the absorption of water. Both pad material and adhesive can withstand temperatures between -22°F and 248° F and are highly resistant to aging.

To apply: Soundamp E should be cut to the desired size and shape before the backing paper is removed. It may be cut with scissors, knife, or die. Remove dust, grease, moisture and other foreign mater from the application surface. Peel off the backing paper. The simplest application technique is to bend the pad slightly and attach it along its shortest edge. The pad is then pressed firmly into place, preferably with a roller for larger pieces. This reduces the risk of leaving air pockets, which reduce the sound damping capacity. The temperature of the pad and application surface should not be below room temperature during fitting.

Applications: Buses and railroad cars, ships and boats, generator enclosures, off-highway equipment, relay cabinets, bins, chutes, hoppers, and machine guards.

Product Features & Specifications:

- Sheet Size: 54" x 40" - Die cut parts available
- Non-Hazardous and Non-Toxic
- Meets FMVSS 302 and UL94 HBF
- Improves fatigue life and safety factor of treated surfaces
- Resistant to water and mineral oils
- Temperature range: -22°F to +248°F
- Flammability: FMVSS 302 6.1 mm/min. UL94 HBF approved
- High acoustic loss factor
- Color: Black
- Thickness: 0.080" oz.
- Resistant to water and mineral oils
- Weight: 6.2/ sq. ft
- Asphalt Saturation: 50% +/- 10%
- Adhesive peel strength: 15n/cm 8.6 lbs/" on steel sheet at 86°F (+20°C)
- Vibration Damping: GM Test Method 9232P
- Storage Life: 6 months

Damping Compounds

VBC Damping Compound imparts vibration damping and a shift in the dominant frequency. The resulting structure borne noise reduction provides a means of improving the noise transmission loss in many applications.

Because it's water based, VBC Damping Compound is especially recommended for new construction and for equipment that requires superior flame and smoke resistant materials. VBC is also Ideal for OEM use including bus, rail and marine applications and for treatment of any vibrating metal, wood, glass, ceramic and most plastic surfaces.

It's also used in fan and blower housings, duct work, bins, chutes, hoppers, machine guards, and stadium seating. Easily brushed, troweled or sprayed on surfaces, this highly effective compound may be painted to make suitable for outdoor as well as indoor usage.

Product Features:

- Low flame spread and smoke development rating per ASTM E-84-91A, ASTM E-162, ASTM-E662
- Meets FMVSS 302
- Non-hazardous, non-toxic
- Improves fatigue life and safety factor of treated surfaces
- Provides dielectric isolation and thermal insulation
- Unaffected by hedroarbons such as iols
- Resists alkalis, acids, corrosive gases, grease, detergents and water
- Easily troweled, brushed or sprayed on surfaces
- Tough, durable, attractive coating in place of paint
- Tough, durable and paintable
- Easily applied with trowel, brush, or spray
- Neutral color
- Use on metal, plastic, glass, ceramic surfaces

- Available in 5 Gallon Pails (62 lbs) and 55 Gallon Drums (650 lbs)

Product Data:

- Color: Beige
- Odor: Total odorless when dry
- Viscosity: Paste
- Total solids: 62%
- Wet density (LB/US Gal): 11.9
- Dry density (LB/IMP Gal): 14.3
- Wet density (g/cm3): 1.43
- Dry density (g/cm3): 1.73
- Hardness - Shore D: 58
- Thickness: N/A
- Flammability per ASTM E-84: Flame Spread: 0
- Flammability per ASTM E-84: Smoke Density: 0
- Thermal conductivity (BTU in/hr ft2 °F): 2.1
- Flash point: None
- Temperature: Maximum service temperature 325°F



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