

Spec Data Sheet

DAMPING COMPOUND

This water based visco-elastic damping compound that reduces structure-borne vibration in a variety of materials. By imparting vibration damping and a shift in the dominant frequency, the resulting noise reduction provides a means of improving the noise transmission loss in many applications.



- Improves fatigue life of treated surfaces
- Tough, durable and paintable
- Easily applied with trowel, brush, or spray
- Meets FMVSS 302

Applications:

Typical uses include new construction and equipment requiring damping treatment plus superior flame spread and smoke density ratings, including bus, rail, and marine applications. Also used in fan and blower housings, duct work, bins, chutes, hoppers, machine guards, and stadium seating.

Product Data

Odor	total odorless when dry	
Color	Beige	
Density	wet: 12.4 LB/US gal.	
Flammability	Flame spread index: 2 (per ASTM E-162)	
Flaming mode (per ASTM E662)	specific optical density after 1.5 min.	1
	specific optical density after 4.0 min.	25
	max. specific optical density	140
	max. Corr. optical density	139
Non-Flaming mode (per ASTM E662)	specific optical density after 1.5 min.	1
	specific optical density after 4.0 min.	3
	max. specific optical density	132
	max. Corr. optical density	132

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Typical Coverage:

Dry Thickness	Square Ft./Gal.		
	Spray	Brush	Trowel
1/16"	16	Approx. 16	Approx. 16
1/8"	8.5	Approx. 8.5	Approx. 8.5

Ordering Information:

Available in.....	Weight
5 gallon pails	62 lbs.
55 gallon drums	682 lbs.

Typical properties of VBD-10

color	Beige
Total solids	62%
Viscosity	Paste
Wet density (g/cm ³)	1.43
Dry density (g/cm ³)	1.73
Wet density (LB/US gal)	11.9
Wet density (LB/ imp. Gal)	14.3
Thermal conductivity (BTU in/hr ft ² °F)	2.1
Flash point	None
Hardness, shore D	58
Thickness, in	N/A
Thickness, mm	N/A
Standard sheet size, in.	N/A
Standard sheet size, cm	N/A
Surface weight, lb/ft ²	N/A
Surface weight kg/m ²	N/A
Resistance to fungus (ASTM G-21 rating)	O*

*No attack and no evidence of discoloration