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VINAFLEX NOISE BARRIER

Vinaflex with Fiberglass Absorber/Decoupler (VP)

Vinaflex Noise Barrier (VP)

Great Lakes Textiles' Vinaflex (BP) Noise Barrier is a flexible, mass loaded vinyl laminated to a quilted fiberglass decoupler on one or both sides. The combination forms a thin, lightweight acoustical product that displays excellent mechanical properties, while providing superior sound transmission loss.

Sound waves originating from the source will initially be absorbed by the fiberglass and then blocked by the mass loaded vinyl. Any reflected sound wave component will be further dissipated into the fiberglass absorber.

Vinaflex (VP) Noise Barrier is offered in the following sizes:

Standard Roll Size By Density

VP1-050 (1/2 lb./sq.ft.)	54" x 30'
VP1-100 (1 lb./sq.ft.)	54" x 30'
VP2-050 (1/2 lb./sq.ft.)	54" x 30'
VP2-100 (1 lb./sq.ft.)	54" x 30'

Note:

VP1 = 1" quilted fiberglass

VP2 = 2" quilted fiberglass

Vinaflex (VP) is also available with an added outer finish of scrim reinforced foil on one side. Vinaflex (VP) has been used extensively as a sound absorbing liner by original equipment manufacturers on their machinery housings, compartments, enclosures, walls, etc.

Acoustical Properties*

Noise Transmission Loss (dB)/Frequency (Hz)

HZ	125	250	500	1000	2000	4000	STC
VP1-100	18	18	23	30	39	46	29
VP2-100	19	20	23	33	44	53	30

* Per ASTM E-90

Typical Physical Properties of Components

Product	Weight	Thickness	Service Temp.	Tensile Strength	Tear Strength	Elongation
VN-100	1 lb./sq/	100"	-40° F to			
1" f/g			180° F	400 psi	70 lbs/in.	200%
decplr.	.2 lb/sf	1"	-20° F to	----	---	---
2" f/g	.		350° F			
decplr.	.4 lb/sf	2"	-20° F to	---	---	---
			350°			

Vinaflex (VP) Noise Barrier, per ASTM E-84 "Surface Burning Characteristics of Building Materials," meets Class A Rating.