COLBOND

Enkasonic® 9110

Colbond Building Products — Sound Control

Description

Enkasonic 9110 is a 0.4" (10mm) thick composite of extruded nylon filaments forming a three-dimensional core that has a nonwoven fabric heat bonded to its upper surface. The durable, yet pliable, construction of Enkasonic obstructs both structural and air borne sound transmission by its ability to convert and store vibrational energy.

Recommended Applications

- Commercial and residential multi-story buildings condominiums, apartments, office buildings, hotels, schools, athletic floors, sound studios
- · Vibrational control in industrial buildings
- · Isolation of heating and air conditioning units
- All sound-rated floors requiring an impact insulation class rating of not less than 50
- All sound-rated floors requiring a sound transmission class rating of not less than 50

Features and Benefits

- · Significantly reduces sound transmission
- Approval of ICBO high STC and IIC ratings
- · Low deflection and compression rates
- Durable: after 10 years, Enkasonic retains 97% of original thickness, is as pliable as a new roll, and its performance is equal to newly manufactured rolls
- Thickness: 0.4" (10mm) much thinner than a "built-up" floor
- Enkasonic is a lightweight material that is easily handled by one installer

Technical Data

Physical Properties

English Units	Metric Units
Nylon 6	
0.4 in	10.2 mm
23.1 oz/yd ²	783.3 g/m ²
19.5 oz/yd ²	661.2 g/m ²
3.6 oz/yd ²	122.1 g/m ²
NFPA Class A [*]	
100	
0	
	Nylon 6 0.4 in 23.1 oz/yd ² 19.5 oz/yd ² 3.6 oz/yd ² NFPA Class A* 100

*Will not promote flame spread

Global Plastic Sheeting 1331 Specialty Dr Vista, CA 92081 866.597.9298 760.597.9298 Fax: 760.597.9574 www.globalplasticsheeting.com

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Deflection

Pressure	English Units	Metric Units	
100 psf	0.028 in	0.711 mm	
200 psf	0.046 in	1.168 mm	
300 psf	0.061 in	1.549 mm	
400 psf	0.075 in	1.905 mm	
500 psf	0.087 in	2.210 mm	
1000 psf	0.131 in	3.327 mm	
2000 psf	0.189 in	4.801 mm	
4000 psf	0.256 in	6.502 mm	

Properties

Property	English Units	Metric Units
Product ID	9110-101-0002	
Core Width	39.0 in	99.1 cm
Fabric Overlap Width	4 in	10.2 cm
Length	111.0 ft	33.8 m
Area	40.0 yd ²	33.5 m ²
Roll Diameter	27.0 in	68.6 cm
Gross Roll Weight	58.0 lbs	26.3 kg

Standards

Property	Report Numbers
Tile Council of America Inc	RF900-89
New York City Dept. of Buildings	MEA 144-89-M
Ceramic Tile Institute	CTI-R-4-113-79
ICBO Report	4778

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