

## 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

Property	English Units	Metric Units
Core Material	Nylon 6	
Thickness	0.4 in	10.2 mm
Total Weight	23.1 oz/yd <sup>2</sup>	783.3 g/m <sup>2</sup>
Core Weight	19.5 oz/yd <sup>2</sup>	661.2 g/m <sup>2</sup>
Fabric Weight	3.6 oz/yd <sup>2</sup>	122.1 g/m <sup>2</sup>
Fire Rating	NFPA Class A*	
Smoke Density	100	
Flame Spread	0	

\*Will not promote flame spread

**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 <sup>2</sup>	33.5 m <sup>2</sup>
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