



## Hard Board PET

### Product description:

A polyester fiber insulation used for acoustical control and to provide a high impact tackable panel or wall surface in commercial, institutional and educational applications.

### Benefits:

- Light weight
- Durable
- Semi rigid substraight
- Impact resistant
- Tackable
- 100% polyester with no irritating fibers
- Fre from volatile organic compounds, including formaldehyde
- Resistant to bacterial and fungal groth
- Non toxic
- Non allergenic
- It will not rot, deteriorate or change color over time
- User friendly

Thickness	Color	ASTM E84	NRC
1.4 cm	White	Class A	0.5
2.5 cm	White	Class A	0.6
2.5 cm	White	Class A	0.75
2.5 cm	White	Class A	0.75
5 cm	White	Class A	0.85
5 cm	White	Class A	0.90

### ASTM E84

Standard Test Method for Surface Burning Characteristics of Building Materials

### NRC- rating

Noise Reduction Coefficient is rating how absorptive a particular material is - the average of the mid-frequency sound absorption coefficients (250, 500, 1000 and 2000 Hertz) rounded to the nearest 5%.

### Composition and materials:

Manufactured from 100% polyester fibres thermo-bonded and treated with a flame retardant material.

65% recycled plastic drink bottles.

100% recyclable or alternatively it can be safely destroyed by incineration.

## **Technical data**

Applicable standards:

BOCA, ICBO, SBCCI, CABO, ICC

### **Fire Resistance:**

ASTM E84, UBC 8-1 ANSI/NFPA 101

Maximum Flame Spread Index

15mm - 15

25mm - 10

Maximum Smoke Developed Index

15mm - 200

25mm - 180

### **Physical/ Chemical Properties:**

Acoustical Performance

ASTM C423 (see table)

Thermal Performance ASTM C518

15mm - 2.10

25mm - 3.59

Water Vapor Sorption

<0.4% by weight

Weather Resistance

No change in appearance.

### **Installation**

Multi Purpose Insulation is applied directly to plaster board, concrete, CMU, or other ASTM E 84, Class 1 or A material .

Pet board can be cut and installed using standard tools.

Hard board, PET can also be used as a compound of pre-made acoustical and tackable panels, modular panel systems, as well as ceiling tiles, baffles, clouds, and diffusers.

