

Specifications & Test Results for Sound Step II

10/17/2001

Materials

Blended synthetic fibers

Weight

25oz/sqyd (2.78 oz/sqft)

Thickness

0.11”

Density

18.9 lbs/ft³

R-Value

@0.11” = 0.46 hr-ft²-degF/Btu (4.19/inch)

Flammability

Meets or exceeds Federal Flammability Standard: CPSC FF 1-70 (Pill Test)

Sound

Sound Transmission Loss. The sound-insulating property of a partition element is expressed in terms of the sound transmission loss, standard wood frame assembly with laminate flooring. ASTM E90-97, ASTM E413-87 (Test method re-approved 1994) **Sound Transmission Class- 52.**

Impact Sound Transmission. The method is designed to measure the impact sound transmission of a floor-ceiling assembly in a controlled laboratory environment, standard wood floor frame with laminate flooring ASTM E492-90, ASTM E989-89 (Test method re-approved 1994). **Impact Insulation Class- 58.**

Field Impact Sound Transmission. Field Impact Insulation Class tests were conducted over 8” concrete sub-floor (4,000psi) in accordance with ASTM E492-90 & ASTM E989-89. **Field Impact Insulation Class- 60.**

Performance Level

Rated as “Extra Heavy” for “extra heavy and high impact use in food plants, dairies, breweries, and kitchens” when installed using porcelain tile & epoxy grout. (ASTM C627 – Robinson Floor Test)

Rated as “Light Commercial” for “office space, reception areas, kitchens, and bathrooms” when installed using residential tile and latex modified thin set and grout. (ASTM C627 – Robinson Floor Test)

Physical Properties

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|-------------------------------------|-----------------------|
| Compression Resistance @ 25% | 23.2psi |
| Compression Resistance @ 30% | 37.0psi |
| Compression Resistance @ 50% | 219.6psi |
| Compression Set @ 25% | 18.8% |
| Tensile Strength | Length 78.4lbs |
| | Width 63.3lbs |

Weight and Density +/- 10% tolerance. Thickness +/- 5% tolerance.