

Product description

AcoustiTECH™ 3500, with an approximate thickness of 1/8 inch (3,5 mm), provides an acoustical performance of 58 FIC when double-glued with engineered wood floor on a 8 inches (20 cm) concrete slab, without a suspended ceiling. This result was obtained from a well-known and certified acoustician firm. This membrane is the most appropriate for the specification in new construction or renovation. Its excellent performances will please condo owners and property management companies.

AcoustiTECH™ 3500 also provides thermal comfort and optimizes the performance of electrical radiant heating systems and is compatible with hydronic radiant heating systems. This high performance product has a great track record in hotels and condominiums for over 10 years!

Physical properties *(1 roll)*

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| Length | 42,9 feet (13,1 m) |
| Width | 42 inches (1,07 m) |
| Thickness | ± 1/8" (3,5 mm ± 5 %) |
| Weight | ± 6,4 kg (± 14 lbs) |
| Diameter | ± 10 inches (± 25,4 cm) |
| Coverage | 150 sq.ft. (13,9 m²) |
| Type of fiber | Needle-punched polypropylene fibers |
| Color of the fiber | White |
| Type of film | Non-woven polyethylene |
| Color of film | Aluminized gray surface |
| VOC | 0 g/L |
| Chemical resistance | |
| Acids / Bases | Good / Good |
| Melting point | 325°F (163°C) |
| Moisture | Rot-resistant |
| Toxicity | Non-toxic and odorless |
| Flammability | 1 (National Fire Protection Association, NFPA) |

Technical data

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| Sound Index | FIC 58, FSTC 58 (IIC: ASTM-E 1007; ASTM-E-989) (STC: ASTM-E 336; ASTM-E-413) |
| PERM (vapor barrier) | Non applicable (ASTM E96) |
| R factor | 0,477 (ASTM C518) |
| R factor of the assembly | 1,355; without floor covering (ASTM C518) |
| Robinson | Non applicable (ASTM C-627) |
| Grab tensile strength | 1050 N ± 5 % (CAN-148.1 - no 7.3) |
| Grab tensile elongation | 75 % à 100 % (CAN-148.1 - no 7.3) |
| "Mullen" bursting | 2800 kPa ± 5 % (CAN-4.2 - no 11.1) |
| Trapezoidal tear | 460 N ± 5 % (CAN-4.2 - no 12.1) |
| Reflectivity | 70 % |

The CCMC evaluation report, awarded by the National Research Centre of Canada, recognizes the conformity of the tests methodology made for AcoustiTECH™ membrane. On the installation site, the floor covering, the quality of materials used, the installation method and the quality of construction of the building may cause variation in the acoustical performances. Users should always refer, before the installation, to the most recent version of the product specifications that is available upon request or available by visiting our website at www.acousti-tech.com. As our products are constantly evolve, we keep the right to modify those informations without notice. Revision – January 1st, 2012.