Specifications & Test Results

QuietFloor™ Underlayment

Materials
Blended synthetic fibers and polyethylene film. Inert hot-melt adhesive.

Weight
20 oz/sq yd (2.22 oz/sq. ft.)

Thickness
0.125"

Density
13 .3 lbs/ft^3

R-Value
@0.125" = 0.52 hr-ft^2-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. ASTM E90-97, ASTM E413-87 Sound Transmission Class (STC) = 52.

Impact Sound Transmission. The method is designed to measure the impact sound transmission performance of a floor-ceiling assembly in a controlled laboratory environment. ASTM E492-90, ASTM E989-89 Impact Insulation Class (HC) = 58.

Field Impact Insulation Class. Field conducted test using standard IIC methods. As tested over 8" post-tension concrete sub-floor with no ceiling assembly. (FIIC) 60.

Physical Properties

Compression Resistance @ 25% 9.5psi
Compression Resistance @ 30% 16.6psi
Compression Resistance @ 50% 85.5psi
Breaking Strength Length 72.1 lbs
Width 100 lbs
Compression Set @ 25% 8.8%

Moisture

Moisture Absorption
Approx. 650% by weight

Moisture Statement. Quiet Floor™ Underlayment will absorb and allow dispersion throughout the product of water moisture in accumulations not exceeding one gallon per 24 hrs per 300 square feet of product and/or allowed to continue to accumulate for more than 7 days. Actual in-house tests have shown results up to 5 times that amount.
We Identify and S.T.O.P. Your Noise Problems

Quiet Floor™
FEATURES/BENEFITS

• Sound Absorption.
  Quiet Floor filaments are randomly air-laid creating a capillary affect to cushion the floor, absorb sound, and help make laminate floors sound more like real wood.
  Sound Transmission Class (STC) = 52
  Impact Insulation Class (IIC) = 58
  Field Impact Insulation Class (F-IIC) = 60

• Moisture Protection.
  When installed properly, Quiet Floor can wick sub-floor or incidental perimeter moisture and disperse it through the pad. Moderate amounts of moisture will eventually dissipate over time by perimeter or sub-floor evaporation, provided the source of water such as a leak is stopped.

• Smoothes out minor sub-floor imperfections.
  Quiet Floor is firm enough (density = 13.3 lbs/ft^3; compression resistance @ 25% = 9.5psi) to support the overlying floor, but flexible enough to form around sub-floor surface roughness that may otherwise cause laminate panels to “rock” or lay unevenly.

• Adds insulation value.
  Quiet Floor will add an R-Value of .50 to the floor system.

• Economical.
  Quiet Floor is ideally priced as a quality upgrade from polyethylene or polystyrene film and is less than 1/2 the cost of either cork or rubber underlayment with similar sound numbers.

• Made from recycled materials.
  Quiet Floor is a “green” product, constructed (over 80%) with post industrial/pre-consumer fibers, materials that may otherwise have been landfilled.

• Anti-Microbial Properties.
  1) Synthetic fibers by their composition do not support the growth of bacteria and fungus.
  2) The high temperature manufacturing process used to produce Quiet Floor will eliminate live organisms.
  3) A EPA registered anti-microbial is incorporated in Quiet Floor to control mold or bacteria on the treated product.