



AIA/Fabric Architecture Continuing Education Self Test

INSTRUCTIONS

1. Read the article "Hearing fabric."
2. Read the questions below, then circle the answers below each question on this page.
3. Fill out the AIA/CES education reporting form (bottom) and follow instructions for reporting to receive one AIA learning unit.

QUESTIONS

1. According to the author, no material is totally absorptive or reflective.
T F
2. Fabric often has been used in traditional ways to absorb and stop sound, but recent designs have pushed its application into new uses, such as:
A. Transparency
B. Absorption
C. Reflection
D. Reverberation
3. Considering the chart on materials ("Sound absorption coefficients"), it appears that wood floors have similar coefficients to light velour fabrics hung in contact with a wall.
T F
4. Sound can be reflected and blended for musical performance using a reflective fabric in double curvature.
T F
5. In a musical performance space, relatively limited sound reflectivity of a fabric ceiling can be offset by use of:
A. Solid masonry
B. Wood
C. Glass
D. All of the above
6. Nomex, a canvaslike fabric, was chosen for the ceiling of the new Experimental Media and Performing Arts Center at Rensselaer because it was?
A. Flame retardant
B. Reflective of high frequencies
C. Transmissive of low frequencies
D. All of the above
7. An uncommon solution to dampen reverberations at SCI-Arc uses:
A. Teflon-coated fiberglass ceiling combined with masonry, wood and glass
B. A continuous flame-retardant Nomex ceiling
C. Felt strips with alternating slits arranged to form a canopy
8. A commonly used solution for sound absorption is fabric wrapped acoustic panels.
T F
9. For the London Millennium Dome project "Skyscape", a specially-designed liner provided the sound isolation needed to acoustically separate two large cinemas from each other and from the surrounding neighborhood.
T F
10. For the Skyscape project, liner materials include:
A. Lead sheets
B. Wood and glass
C. Rock wool and polymeric layer
D. Teflon-coated fiberglass.

AIA/Fabric Architecture Reporting Form

(Use to report learning unit for this article only)

AIA Provider #G455—Program #FA0909

Program title: "Hearing fabric" *Fabric Architecture* SEP/OCT 2009

Directions: Circle the answer for each question above. A minimum score of 70% is required to earn credit.

Participant information required:

Last name: _____ First name: _____ Middle initial or name: _____

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I hereby certify that the above information is true and accurate to the best of my knowledge and that I have complied with the AIA Continuing Education Guidelines in the submission of this credit.

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Check one: \$10 payment enclosed.

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