



Illinois Society of Professional Engineers - University of Illinois
College of Engineering
Professional Engineer On-Line Seminars



INSTRUCTIONS:

1. View the on-line seminar.
2. Complete the quiz below.
3. Complete the "Engineer Information" section.
4. Make a copy for your records.
5. Mail the quiz along with your \$20 payment (credit card information or check payable ISPE) to:
ISPE, 100 East Washington Street, Springfield, IL 62701.

If you score an 80% or better on the quiz, you will receive your certificate within 4 weeks. If you fail to earn an 80% score, the quiz will be returned to you and you will have the opportunity to retake it.

Each seminar/quiz is worth 1 Professional Development Hour.

QUIZ: 04-06
TOPIC: Structural Glass
PRESENTER: Steven C. Ball

1. Most structural glass projects to date are in
 - a) Asia
 - b) Europe
 - c) South America
 - d) North America
2. Tempered glass follows principles similar to prestressed concrete with respect to improving structural behavior beyond that of annealed glass.
(circle) TRUE FALSE
3. Tempered glass can be modified after tempering.
(circle) TRUE FALSE
4. Glass used for structural applications is usually
 - a) single ply sheets
 - b) multiple ply insulated sheets
 - c) hand blown shapes
 - d) multiple ply laminated sheets
5. Glass experiences very little creep under sustained loads.
(circle) TRUE FALSE
6. Which factor does not affect the strength of a high quality glass sheet?
 - a) heat treatment
 - b) service temperature
 - c) orientation
 - d) service humidity

QUIZ 04-06 CONTINUED

7. Linear elastic analysis is usually appropriate for assessing the structural behavior of glass.
(circle) TRUE FALSE
8. Glass balustrades are typically composed of how many plies?
a) 1
b) 2
c) 3
d) 4
9. What was the design live load for the glass staircase in the Apple flagship store in Chicago?
a) 50 psf
b) 100 psf
c) 150 psf
d) 250 psf
10. What was the overall thickness of each stair tread in the Apple store?
a) 2"
b) 3"
c) 4"
d) 5"

ENGINEER INFORMATION

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