

1. Sill of a doorway covering flooring joint or providing weather protection at an exterior door.

A Saddle

B Threshold

C Latch

D Jamb

2. Explain why using vinyl or neoprene spacers and blocks is beneficial for maintaining uniform clearance in glass installations.

A They are the only materials approved for glass installation.

B They provide flexibility and durability, ensuring consistent spacing.

C They are less expensive than other materials.

D They are easier to install than other types of spacers.

3. The minimum area of windows should be _____ of the floor area in case of public buildings.

A 25%

B 20%

C 10%

D 15%

4. Allow screws to be driven perpendicular to the long axis of an extrusion.

A Screw slots

B Self-tapping screws

C Snap-on and snap together

D Screw ports

5. In a scenario where a building is located in an area prone to high winds and temperature fluctuations, which type of glass would be most suitable for the windows, and why?

A Frosted glass, for privacy purposes.

B Tempered glass, because of its strength and resistance to thermal stress.

C Laminated glass, due to its soundproofing qualities.

D Regular glass, for its cost-effectiveness.

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6. Bonded assemblies

- A Traditional window with vertically sliding sashes
- B Waterproof and durable adhesives for outdoor use
- C Decreased likelihood of metal deterioration
- D Joined components that are not easily disassembled

7. Computer controlled finishing process creates highly polished grooves in different widths and shapes

- A Chemical Etching
- B Drilling
- C Stamping
- D Engraving

8. Explain why using too much putty can lead to wavy glass when clips are installed.

- A It allows for too much movement of the glass
- B It absorbs moisture and expands
- C It prevents the glass from adhering to the frame
- D It creates uneven pressure on the glass surface

9. Approved windows can have a sill height no higher than _____ from the floor.

- A 48 inches
- B 30 inches
- C 36 inches
- D 44 inches

10. What is the purpose of sill trim as used with vinyl bevel siding?

- A holds the bottom edge of siding at the mud sill
- B prevents water from entering above a window
- C holds the top edge of siding under a window
- D separates between different types of siding

11. Which of the following is NOT a main component of light gauge steel framing?

- A Joist hanger
- B Reinforcement bars
- C End clips
- D Web stiffener

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1001. In order to calculate forces in a structure, we assume that it is in _____, therefore the sum of all the forces would _____.
- (A) Equilibrium, do not equal zero (B) Equilibrium, equal zero
(C) Motion, equal zero (D) Motion, do not equal zero
1002. What is the purpose of a Low-E coating?
- (A) To provide adhesion of paint to a substrate (B) To reflect the wavelength of sunlight that contains the most heat
(C) To protect the siding from harsh weather and UV light (D) To protect glazing from high impact loads
1003. What is the primary reason synthetic cutting oils are favored over water in glass cutting?
- (A) Synthetic cutting oils are easier to clean up than water. (B) Synthetic cutting oils do not promote corrosion of metal parts.
(C) Synthetic cutting oils provide better lubrication than water. (D) Synthetic cutting oils are less expensive than water.
1004. When are the door stops installed?
- (A) After the hinges are installed (B) After the lock is in place
(C) After the trim is installed (D) After the door is in place
1005. How deep should hinge gains be cut?
- (A) the width of the door frame. (B) the length of the hinge pin.
(C) the thickness of the hinge leaf or slightly less. (D) the height of the door.
1006. You should apply tape to a properly prepared dry, clean surface, no more than _____ hours before glazing
- (A) 48 (B) 24
(C) 16 (D) 8

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1007. Heat-Absorbing Plate Glass

- A Contains coloring agents to absorb sun's radiant energy
- B Hard, brittle substance produced by melting silica, flux, and stabilizer
- C Contains wire mesh for strength and safety
- D Cleans itself with a titanium dioxide coating

1008. What is the primary characteristic of a flush joint in masonry construction?

- A It is an uncompacted joint that is not always watertight.
- B It is a joint that requires additional reinforcement.
- C It is a compacted joint that is always watertight.
- D It is a joint that uses heavy gauge steel framing.

1009. When you install a glass fence around a pool how does the gate open?

- A inward
- B upward
- C outward
- D downward

1010. What is the definition of a meeting stile in the context of window construction?

- A The glass pane used in a window.
- B The horizontal member at the top of a window frame.
- C The decorative trim around a window.
- D The vertical-edge member in a pair of gliding window sash or door panel that meets and locks when closed.