

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.