



1. Encaustic Tiles
 - A Fun, impactful tiles, create larger designs when placed together
 - B Add grout to backsplash, popular in kitchens and bathrooms
 - C Most durable, water and chip resistant, frost-resistant
 - D Small pieces assembled to create larger designs, various materials
2. How long should you wait to grout after setting tile with a modified epoxy emulsion:
 - A 48 hours
 - B 36 hours
 - C 24 hours
 - D 14 hours
3. What is the maximum sub-surface variation when using latex-Portland mortar to set 18" tile:
 - A 1/8" over 10 feet
 - B 16 feet
 - C 11/21" over 10 feet
 - D 21/41" over 10 feet
4. When spacing tiles so that they conform to a given area it is called:
 - A streaking
 - B fanning
 - C cupping
 - D slicing
5. Small areas on tile faces not glazed are called what:
 - A defective
 - B fanning
 - C overproduced
 - D fragmented
6. What is the maximum distance a scaffold plank can overhang its vertical support:
 - A 15"
 - B 10" 1/4
 - C 12"
 - D 24"
7. What is done to the joint space between cementitious backer boards installed in a shower:
 - A fiberglass reinforced tape with mortar fill and skim
 - B install a layer of plywood over the boards
 - C use only silicone caulk to fill the gaps
 - D apply a waterproof sealant without any tape

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8. If setting 15" tile, what is the maximum variation between surface high points in adjacent tiles:
- A 6/7" in 24" B 1/16" in 24"
- C 2/7" in 24" D 1/16" in 19"
9. Which of the following is correct if setting tile around a pool:
- A avoid any contact with the pool surface B place directly over joints in decking or tank
- C install tiles only on the edges of the pool D use a different adhesive than for indoor tiles
10. How long should new ceramic tile cure in a gang shower before grouting:
- A 14 days B 28 days
- C 20 days D 22 days
11. If a tile has a maximum surface variation of 1/16", what is the minimum width of the grout line:
- A 1/4" B 3/32"
- C 4/9" D 5/32"
12. A natural stone flooring option valued for its durability and aesthetic appeal.
- A Limestone Flooring B Laminate
- C Slate Flooring D Brick
13. Ceramic tiles with an absorption between 0.5% and 3%.
- A Vitreous B Aqueous
- C Lens D Impervious
14. The temperature reinforcement in the vertical slab of a T-shaped R.C. retaining wall is
- A provided equally on inner and front faces B provided more on front face than on inner face
- C not needed D provided more on inner face than on front face

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1063. Corrosion-resistant, must penetrate wood stud by min 5/8", dimple surface, not break the drywall board.

- A Sand and touch up
- B Fasteners requirements
- C First coat of Compound (Mud)
- D Second coat of compound

1064. Provides a stable, water resistant substrate and a strong surface to bond the tiles. It is 90% cement and sand, 10% cellulose fiber. It is suitable for use on interior floors, walls and countertops. It is water resistant and immune to water damage.

- A Hardi Backer
- B Flashing
- C Extrusion
- D Organic Adhesives

1065. The adjusting of tiles after they have been applied to the ceiling may:

- A break the bond
- B spin the bond
- C flip the bond
- D vibrate the bond

1066. When you were putting on stilts or taking them off you should

- A Curved blade finishing trowel
- B Hold onto a railing
- C Sit on the floor
- D Kneel down

1067. Ceramic tile with an opaque or transparent coating that has been fused to the tile body by firing, creating a smooth, impermeable surface that may also be highly decorated. The body of the tile may be nonvitreous, semivitreous, and impervious.
*Vitreous: Like glass in physical appearance or properties.

- A Ceramic Tile
- B Stone Tile
- C Quarry Tile
- D Glazed Tile

1068. What is the minimum mortar contact area for ceramic tile in a wet area:

- A 85%
- B 50%
- C 75%
- D 95%

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1069. The type of compound commonly called 20-minute mud, 30-minute mud, or hot mud is _____ compound.

- A Flexible adhesive B Slow cure
 C Permanent bond D Quick set

1070. What is the treatment called to protect unglazed tile prior to grouting:

- A fanning B bonding
 C sealing D cauterizing

1071. What is done first to remove a damaged ceramic floor tile:

- A saw out grout B fanning
 C carbide scribe D neither

1072. What is the maximum grout joint width for unsanded grout:

- A 1/32" B 3/4"
 C 1/16" D 3/32"

1073. What is the maximum lippage for all glazed tile:

- A 1/64" B 1/32"
 C 1/16" D 6/26"

1074. If exterior expansion joints in ceramic tile are placed at 12' or more what is the minimum width of the joint:

- A 1/2" B 5/8"
 C 3/4" D 1/16"

1075. What is the process called for treating unglazed tile to prevent stains after installation:

- A fanning B cauterizing
 C bonding D sealing

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1076. A scaled drawing where $1/4" = 1$ foot shows a room measuring $4" \times 2"$. How many $4" \times 4"$ tiles are needed to complete the job:

A 1153

B 1152

C 1147

D 1111

1077. Waterproof membranes in shower stall applications should overlap at the edges by what minimum amount:

A 2"

B $1/2"$

C $3/4"$

D 1"