

Sample exam questions

Variables that affect floor performance include _____ .

- A) joist spacing
- B) subfloor thickness
- C) A and B

What types of concrete cracks can be treated with a crack isolation membrane?

- A) all types
- B) in-plane cracks only
- C) structural cracks

Too much substrate deflection can result in _____ .

- A) cracked or powdered-out grout
- B) cracked tiles
- C) debonded, or loose, tiles
- D) all of the above

Wider joist spacing makes a wood substrate _____ .

- A) more rigid
- B) less rigid

Thicker subflooring makes a wood subfloor _____ .

- A) more rigid
- B) less rigid

Most floor installation methods in the *Handbook* have a maximum joist spacing of _____ on center.

- A) 16"
- B) 19.2"
- C) 24"

When tiling where there is a wood subfloor, the minimum subfloor panel thickness is _____ .

- A) 23/32" (commonly referred to as 3/4")
- B) 1 1/4"
- C) 19/32" (commonly referred to as 5/8")

What is the main difference between Type I and Type II organic adhesives?

- A) Type I may be used on walls in wet areas, but Type II is for dry areas only.
- B) There are no major differences. They can be used interchangeably.
- C) Type I organic adhesive is more expensive.
- D) Type I may be used on floors in wet areas, but Type II is for dry areas only.

An organic adhesive can be used to set tile on a floor only when _____ .

- A) the floor is in a dry area
- B) the floor will not be subjected to impact or loading
- C) the floor is flat and does not require thicker application of the adhesive in some areas
- D) all of the above

A vapor retarder membrane _____ .

- A) stops moisture from migrating into the wall cavity behind a wet area.
- B) must overlap the flange of a tub or shower receptor
- C) must be layered in roofing shingle fashion
- D) all of the above

Which of the following is true when using a membrane for crack isolation or to relocate a control joint?

- A) Soft joints must be installed in the tile near the crack or control joint.
- B) Use of a membrane eliminates movement at cracks and control joints, so soft joints are not necessary.
- A) Soft joints only have to be installed if a low-performance crack isolation membrane is used

Water absorption provides a good indication of _____ .

- A) how much thermal expansion will occur in a given tile
- B) whether the tile needs to be sealed
- C) how easy the tile will be to bond to
- D) None of the above

Glazed floor tiles with a Class III resistance to surface abrasion can be used on commercial floors if the tile is only exposed to normal footwear and limited surface abrasives.

- A) True
- B) False

What type of pattern can accentuate tile warpage by causing lippage?

- A) Pinwheel
- B) Straight-lay
- C) Off-set (brick joint)
- D) Random pattern

Exterior installations and interior installations exposed to direct sunlight should have movement joints in the field _____ .

- A) every 5 feet in each direction
- B) every 8' to 12' in each direction
- C) every 20' to 25' in each direction
- D) none of the above