

**\*\*\* EXAMINATION \*\*\***

**AASHTO GUIDE SPECIFICATION FOR COATING  
SYSTEMS WITH INORGANIC ZINC-RICH PRIMER**

1. **The intersection of two surfaces is:**
  - a) a plane
  - b) an angle
  - c) a corner
  - d) a prism
  
2. **A mechanical device used to attach two or more items together is:**
  - a) a fastener
  - b) a cable
  - c) a winch
  - d) Any of the above
  
3. **The six flat surfaces of a nut are called:**
  - a) hexes
  - b) octagon
  - c) flats
  - d) angles
  
4. **A defects in the steel surface may be a:**
  - a) hackle
  - b) fin
  - c) scab
  - d) All of the above
  
5. **Breaking the corner is also known as:**
  - a) smoothing
  - b) corner chamfering
  - c) edging
  - d) filing
  
6. **A fog coat or a tack coat is also known as:**
  - a) mist coat
  - b) smoothed coat
  - c) grinded coat
  - d) rubbed coat

7. **Runs, sags, lifting, and chipping are examples of:**
  - a) visible coating defects
  - b) mudcracking
  - c) smoothing processes
  - d) None of the above
  
8. **The applicator shall maintain written standard procedures for:**
  - a) measuring and recording dry film thickness and cure time
  - b) protection and treatment of fraying surfaces
  - c) maintaining manufacturer data
  - d) All of the above
  
9. **All coatings shall be supplied by the same coating manufacturer:**
  - a) always
  - b) unless approved by the engineer
  - c) unless the owner is notified by the applicator
  - d) None of the above
  
10. **The dry film thickness for a zinc-rich primer is:**
  - a) 3 mils minimum and 5 mils maximum
  - b) 4 mils minimum and 5 mils maximum
  - c) 4 mils minimum and 6 mils maximum
  - d) 8 mils minimum and 9 mils maximum
  
11. **Painted large steel members should be stored on:**
  - a) steel blocks
  - b) wood blocks
  - c) padded blocking
  - d) Any of the above
  
12. **The paint shall be applied:**
  - a) with 3 months after the manufacturer's specified shelf life
  - b) with 4 months after the manufacturer's specified shelf life
  - c) with 5 months after the manufacturer's specified shelf life
  - d) before the manufacturer's specified shelf life
  
13. **Coating materials are unacceptable if they have begun to:**
  - a) solidify
  - b) gel
  - c) deteriorate
  - d) All of the above
  
14. **Weld irregularities are also known as:**
  - a) spatter
  - b) smudges
  - c) crowns
  - d) raw edges

15. **Confirming that all lubricant and non-absorbed dyes are removed**
- a) may be accomplished by the sulfuric acid test
  - b) may be accomplished by the white cloth wipe test
  - c) may be accomplished by the smooth sandpaper test
  - d) None of the above
16. **The painting system shall include a topcoat, prime coat, and**
- a) an intermediate strip coat and base coat
  - b) an intermediate strip coat and smooth coat
  - c) an intermediate strip coat and intermediate coat
  - d) None of the above
17. **The color of the topcoat shall be specified:**
- a) by the contract documents
  - b) by the owner
  - c) by the engineer
  - d) by the applicator
18. **The surface temperature of the inorganic zinc prime coat:**
- a) shall be inspected every 2 hours
  - b) shall be inspected every 4 hours
  - c) shall be inspected every 6 hours
  - d) shall be inspected every 8 hours
19. **Zinc oxide is also known as:**
- a) bright oxide
  - b) bauxite
  - c) white rust
  - d) sprayed rust
20. **Martensite may be removed by:**
- a) hydrochloric acid
  - b) sulfuric acid
  - c) sanding
  - d) edge grinding

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