

Hazardous Locations Worksheet

1. Read the instructions for pouring Crouse Hinds seals with Chico.
 - a. How long must the Chico be allowed to cure before energizing the conductors for Group D materials?
 - b. What's the correct ratio of water to Chico cement?
 - i. 2 parts water to 1 part Chico
 - ii. 2 parts Chico to 1 part water
 - iii. 1 part water to 1 part Chico
 - iv. 3 parts Chico to 1 part Water
2. Lighting round questions:
 - a. What's a Class 1 Location?
 - b. What's a Class 2 Location?
 - c. What's a Class 3 Location?
3. Can you use a TEFC, 3 Phase, Motor in a Class 1 Div 2 locations? Where do you look that up in the code?
4. Draw an intrinsically safe circuit diagram.
5. What is pressure piling?
6. Draw an explosion proof seal so you can explain it to a customer.

7. Draw the fire triangle.

8. What does LEL mean?

9. What does UEL mean?

10. What's the LEL and UEL for propane?

11. Look up TMCX II Terminators

12. "An explosion proof seal shall be installed within _____ inches of the enclosure in each conduit entry into a pressurized enclosure ..."
 - a. 10"
 - b. 8"
 - c. 15"
 - d. 18"

13. How thick should explosion proof seals be?

14. What type of cord can you use in Class 1 Div 2 locations?

15. Who is responsible for "classifying" a location?