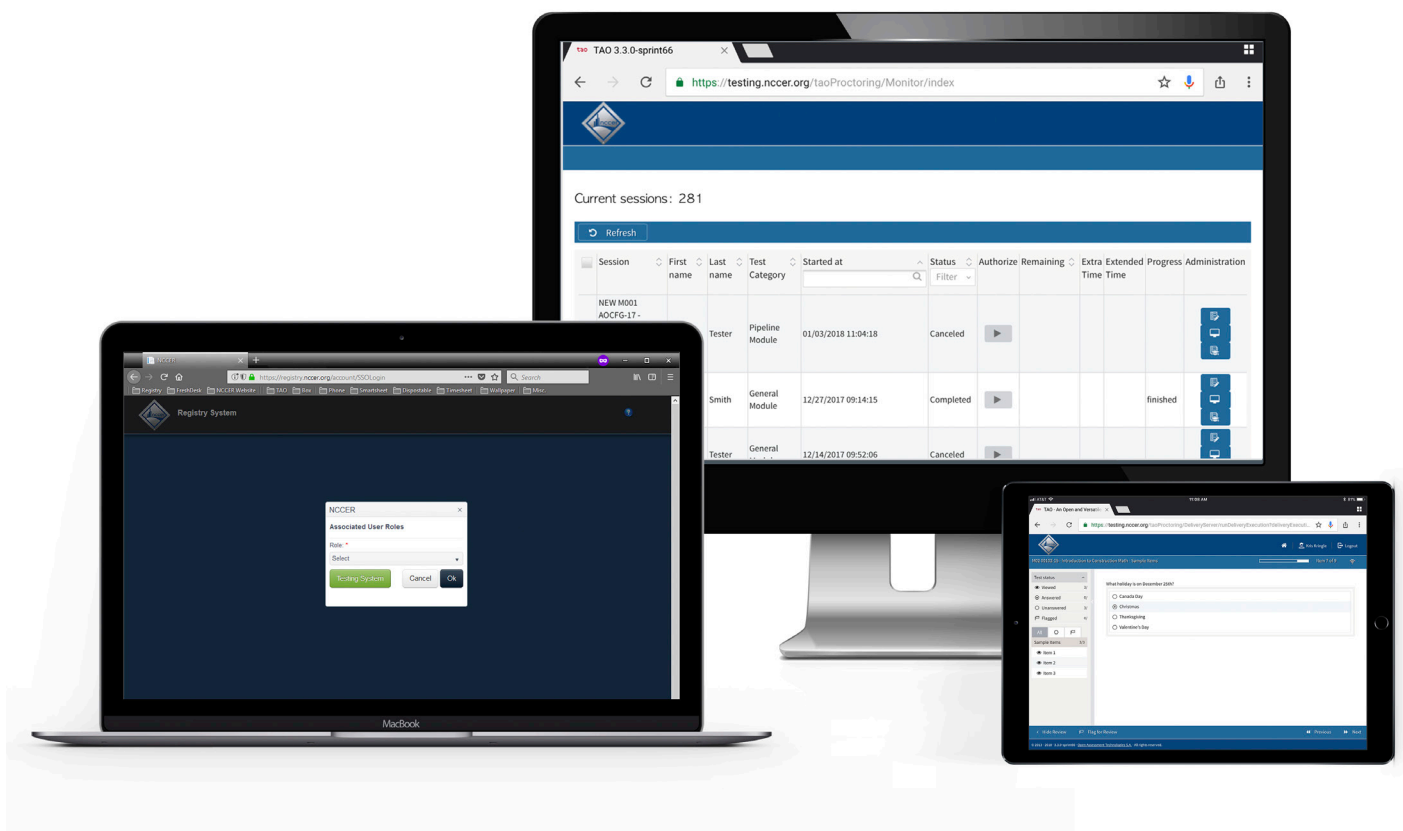


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# Module 19204 Exam

## Calcium Silicate/Expanded Perlite Pipe Insulation

Trainee Name: \_\_\_\_\_

Social Security Number: \_\_\_\_\_ Date: \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1. Expanded perlite is commonly called \_\_\_\_\_.
  - a. wool
  - b. rock
  - c. chalk
  - d. perlite
  
2. Calcium silicate pipe insulation \_\_\_\_\_.
  - a. is denser than expanded perlite insulation
  - b. is less dense than expanded perlite insulation
  - c. has the same density as expanded perlite insulation
  - d. is sold with a wide variety of densities
  
3. How much water can calcium silicate potentially absorb?
  - a. Its own weight
  - b. Twice its own weight
  - c. Four times its own weight
  - d. All the moisture available to it
  
4. In what form may calcium silicate or perlite insulation be used for cryogenic insulation applications?
  - a. They can only be used for high-temperature applications.
  - b. Mainly in a ground-up, pourable form.
  - c. Mainly as board insulation.
  - d. Mainly in double-layered applications.
  
5. When insulating straight pipe, the best practice for half-sections is to \_\_\_\_\_.
  - a. stagger the circumferential joints
  - b. align the circumferential joints
  - c. rotate the section longitudinal joints along the pipe
  - d. fit the sections as needed to maximize the use of available insulation
  
6. At welded elbows, insulation should \_\_\_\_\_.
  - a. stop before the weld
  - b. stop after the weld
  - c. cover one-half the width of the weld
  - d. cover all of the weld

7. Which type of finish is inappropriate for standard high-temperature calcium silicate or perlite insulation?
  - a. Aluminum jacket
  - b. Stainless steel jacket
  - c. PVC jacket
  - d. Glass fabric and mastic finish
  
8. When installing calcium silicate over electrically heat-traced pipe, you should \_\_\_\_\_.
  - a. use one size larger than the pipe size
  - b. stop the insulation at the heat tracing
  - c. cut relief grooves inside the insulation for the tracing
  - d. route the tracing over the insulation
  
9. The preferred method of insulating elbows in larger pipe sizes is \_\_\_\_\_.
  - a. fabricating wrapped covers
  - b. using molded perlite covers, when available
  - c. using 45-degree stovepipe covers
  - d. using diapers
  
10. Larger sizes of calcium silicate may need to be secured with \_\_\_\_\_.
  - a. larger wires
  - b. screws
  - c. glass-fab tape
  - d. metal bands

# Module 19204 Answer Key

## Calcium Silicate/Expanded Perlite Pipe Insulation

<b>Question</b>	<b>Answer</b>	<b>Section Reference</b>	<b>Objective</b>
1.	D	1.1.0	1a
2.	A	1.1.0	1a
3.	C	1.1.1	1a
4.	B	1.1.1	1a
5.	A	1.2.1	1b
6.	C	1.2.2	1b
7.	C	1.2.3	1b
8.	A	1.3.0	1c
9.	B	1.3.2	1c
10.	D	1.3.3	1c