



# **Insulating**

**Level Two**

## **EXAMINATION PACKET**

**Module 19208**  
**Cement and Fabric**  
**Finishes and Mastics**

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This packet contains the reproducible Module Examination, Answer Key, and Performance Profile Sheet(s).

**STORE IN A  
SECURE AREA!**

**NATIONAL CENTER FOR  
CONSTRUCTION EDUCATION AND RESEARCH**

Pearson Education, Inc.

Upper Saddle River, New Jersey Columbus, Ohio

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

Date: \_\_\_\_\_

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

- |       |  |       |   |
|-------|--|-------|---|
| _____ | 1. What cement is <i>not</i> normally used in the insulation trade?                      | _____ | 6. Metal corner bead is _____.  |
|       | a. Finishing   |       | a. made of strips of heavy metal  |
|       | b. Refractory  |       | b. used when installing fabric or mastic finish                         |
|       | c. High temperature  |       | c. used when installing poultry mesh and plaster finish                 |
|       | d. Hydraulic setting   |       | d. no longer used   |
| _____ | 2. High temperature insulation cement is used on surfaces up to which temperature limit? | _____ | 7. High temperature insulating cement is not used for what application? |
|       | a. 1900 degrees  |       | a. Adhering canvas  |
|       | b. 100 degrees   |       | b. Insulating fittings  |
|       | c. 0 degrees   |       | c. Filling joints in block insulation                                   |
|       | d. 3000 degrees  |       | d. Insulating flat surfaces   |
| _____ | 3. Hydraulic setting cement will set up in how many hours?                               | _____ | 8. What is the weight of the most commonly used canvas?                 |
|       | a. 6   |       | a. 6 ounce  |
|       | b. 2   |       | b. 3/4 pound  |
|       | c. 1   |       | c. 8 ounce  |
|       | d. 4   |       | d. 1-1/2 ounce  |
| _____ | 4. Which metal reinforcing is most commonly used with cements?                           | _____ | 9. What asphalt mastic is used primarily as a weather barrier?          |
|       | a. 1 inch hex mesh   |       | a. Emulsion-based   |
|       | b. 2 inch poultry mesh   |       | b. Rubber-based   |
|       | c. Glass fab   |       | c. Cut-back   |
|       | d. 6 x 6 road mesh   |       | d. Asbestos   |
| _____ | 5. What tool is used to cut poultry mesh?  |       |   |
|       | a. End cutting nippers   |       |   |
|       | b. Lacing hook   |       |   |
|       | c. Scissors  |       |   |
|       | d. Hand saw  |       |   |

## Cement and Fabric Finishes and Mastics

- \_\_\_\_\_ 10. Most mastics are packaged in containers of what size?
- a. 1, 2, and 5 gallon pails
  - b. Caulking tubes
  - c. 55 gallon drums
  - d. 100 pound kegs
- \_\_\_\_\_ 11. How is roll-on corner bead *not* installed?
- a. Taped
  - b. Cemented
  - c. Stapled
  - d. Wired
- \_\_\_\_\_ 12. What is required in most mastic applications?
- a. A sponge
  - b. Cotton gloves
  - c. Reinforcing fabric
  - d. A respirator
- \_\_\_\_\_ 13. When canvas is used on a pipe elbow, how is it cut?
- a. With the weave
  - b. On a bias
  - c. With a saw
  - d. Against the weave
- \_\_\_\_\_ 14. Cut-back mastic is \_\_\_\_\_.
- a. mineral spirit-based
  - b. water-based
  - c. vapor-resistant
  - d. free of harmful vapors
- \_\_\_\_\_ 15. The most commonly used size of glass mesh is \_\_\_\_\_.
- a. 10 x 20
  - b. 10 x 10
  - c. 20 x 20
  - d. 15 x 15

## **NOTE ON PERFORMANCE PROFILE TESTING**

Performance Profiles are included in this Instructor's Guide in a format that can be easily photocopied for each trainee. The Profiles measure trainee competency in the tasks taught in this module.

Please note the number of tasks to be tested while teaching this module. Each trainee should be tested on the tasks listed in the Performance Profile. Before the performance testing, the instructor should brief the trainees on:

- test objectives and criteria,
- safety precautions, and
- procedures for each task to be tested.

The instructor administering the performance testing should also do the following:

- ensure that all of the needed equipment is available and operating properly;
- set up the testing stations;
- organize and administer the test in a way that allows for optimal performance;
- complete the Performance Profile Sheet for each trainee by assigning a score for each listed task;
- monitor adherence to all safety regulations and precautions;
- provide adequate supervision to prevent injuries; and
- take immediate and effective action to remedy any emergency.

### **ACCREDITATION TESTING**

If this Performance Profile Testing is done in the National Center for Construction Education and Research Standardized Craft Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification.
2. The training must be delivered through a Training Program Sponsor recognized by the NCCER.
3. For every module, the specific performance testing must be completed to the satisfaction of the instructor.
4. The results of the testing must be recorded on the Craft Training Report Form. This form must be provided to the local Training Program Sponsor to be forwarded to the NCCER National Craft Training Registry.

**Craft: Insulating**

**Task Module Number: 19208**

**Task Module Title: Cement and Fabric Finishes and Mastics**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

- Rating Levels:**
1. Passed: performed task.
  2. Failed: did not perform task.

**Recognition:** When testing for the NCCER Standardized Craft Training Program, be sure to record Performance Profile testing results on Craft Training Report Form 200 and submit the results to the Training Program Sponsor.

TASK	RATING
1. Insulate a screwed fitting with high-temperature insulation cement.	
2. Insulate a calcium silicate 90-degree elbow with one coat of cement.	
3. Apply a resin-based mastic and glass fab to the elbow in Task 2.	
4. Apply a joint seal to pipe insulation to be used in cold service.	

## Answer Key to Module Examination

<u>Answer</u>	<u>Section</u>
1. b	1.0.0
2. a	1.1.0
3. b	1.2.0
4. a	2.0.0
5. a	2.0.0
6. c	2.1.0
7. a	1.1.0
8. c	3.0.0
9. a	3.2.0
10. a	3.2.0
11. d	3.1.0
12. c	3.4.0
13. b	3.1.0
14. a	3.2.0
15. a	3.3.0

