

NOTE ON PERFORMANCE TESTING

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. This examination is designed to measure competency in the tasks taught in each module.

Please note the number of tasks to be tested while teaching each module. Each trainee should be tested on all the tasks listed on the Performance Profile Sheet(s). Before performance testing, the instructor should brief the trainees on:

- Test objectives and criteria
- Safety precautions
- 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(s) for each trainee by assigning a pass/fail score for each listed task. Include the testing date and start and end times for each task in the rating boxes.
- Monitor adherence to all safety regulations and precautions.
- Provide adequate supervision to prevent injuries.
- Take immediate and effective action to remedy any emergency.

Performance Testing

If Performance Testing is done as part of the NCCER 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 an Accredited Training Sponsor recognized by NCCER.
3. The specific performance testing must be completed successfully.
4. The results of the testing must be recorded and submitted to the local Accredited Training Sponsor for approval through NCCER's Registry system.

PERFORMANCE PROFILE SHEET



Craft: Mechanical Insulating

Module One: 19207

Module Title: Board and Block Insulation

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results and submit them to your Training Program Sponsor through the Registry System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	1. Assuming an insulation thickness of 2 inches (5 cm) determine the number of courses of block, the number of lags for given vessel.				
2	2. Insulate the sidewall of a vessel using lags, curved segments, or scored block.				
2	3. Insulate the head of a vessel.				

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PERFORMANCE PROFILE SHEET



Craft: Mechanical Insulating

Module Two: 19312

Module Title: Sheet-Metal Lagging

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results and submit them to your Training Program Sponsor through the Registry System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Flash a top-to-top lagging juncture.				
1	2. Flash a lagging inside vertical corner.				
1	3. Flash a sidewall lagging offset detail.				
1	4. Install sheet-metal lagging to supports.				

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PERFORMANCE PROFILE SHEET



Craft: Mechanical Insulating

Module Three: 19313

Module Title: Jacketing Systems

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results and submit them to your Training Program Sponsor through the Registry System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Install a protective jacket on insulated ductwork.				
1	2. Install a vapor retarder jacket on insulated piping.				
1	3. Install a laminated jacket on an insulated vessel sidewall.				
1	4. Apply PVC jacketing to a straight run of piping using an adhesive and nylon bands.				
1	5. Apply PVC jacket to a 90-degree elbow, a tee, and an end cap.				

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PERFORMANCE PROFILE SHEET



Craft: Mechanical Insulating

Module Four: 19310

Module Title: Jacketing Fabrication - Pipe and Fittings

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results and submit them to your Training Program Sponsor through the Registry System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	1. Properly cut, roll, and apply aluminum jacket to a straight run of pipe.				
2	2. Properly apply two-piece metal jacket to an insulated elbow.				
2	3. Lay out a gored metal jacket for an insulated pipe elbow. Cut the gores, apply the proper beading and crimping, and install.				
2	4. Properly lay out, cut, and apply metal jacket to an insulated piping tee.				
2	5. Properly lay out, cut, and apply a flat metal end cap.				
2	6. Properly lay out, cut, and apply a coned metal end cap.				

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PERFORMANCE PROFILE SHEET



Craft: Mechanical Insulating

Module Five: 19311

Module Title: Jacketing Fabrication - Vessels and Equipment

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results and submit them to your Training Program Sponsor through the Registry System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	1. Install roll-type jacketing on a vessel using screws or bands for securement.				
2	2. Install sheet jacketing on a vessel using screws or bands.				
2	3. Lay out and install gores on a vessel head..				

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PERFORMANCE PROFILE SHEET

Craft: Mechanical Insulating

Module Six: 19314

Module Title: Removable and Reusable Flexible Insulation Covers



NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results and submit them to your Training Program Sponsor through the Registry System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Fabricate a removable and reusable flexible insulation cover for a flange using an insulating materials kit.				
1	2. Install a field-fabricated removable and reusable flexible insulation cover on a flange.				

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**Module Seven: 19308 has no Performance Profile Sheet;
performance testing is not required for this module.**

PERFORMANCE PROFILE SHEET



Craft: Mechanical Insulating

Module Eight: 46101

Module Title: Fundamentals of Crew Leadership

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results and submit them to your Training Program Sponsor through the Registry System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Develop and present a look-ahead schedule.				
1	2. Develop an estimate for a given work activity.				

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