

# COMBINED OPEN CELL AND CLOSED CELL INSULATION

## SPFA PCP MASTER INSTALLER FIELD EXAM

<b>Candidate Name:</b>	<b>Date:</b>
<b>Company Name:</b>	
<b>Address:</b>	
<b>Orientation Completed By:</b>	
<b>Please answer: Yes (Y) or No (N) to the following questions during the field examination:</b>	

### 1. Documentation and PPE (16% weighting)

Scope: Demonstration of personal protection equipment (PPE), documentation and their role in personal health and safety.

**Did the candidate do the following:**

		Type	Yes	No	N/A
1	Show a project safety checklist for a project?	Both			
2	Show the SDS sheets for each material being installed?	Both			
3	Explain what type of information is in each section of the SDS sheets?	Both			
4	Show the filter change out schedule/log?	Both			
5	Show where emergency numbers are posted?	Both			
6	Show the temperature range that is recommended for the product?	CC			
	Show the temperature range that is recommended for the product?	OC			
7	Demonstrate a tool box talk/safety briefing?	Both			
8	Select the proper respiratory PPE?	Both			
9	Select the proper eye PPE?	Both			
10	Select the proper hand PPE?	Both			
11	Select the proper protective clothing PPE?	Both			
12	Select the proper footwear PPE?	Both			
13	Demonstrate proper use and set up of fresh air system?	Both			

Field Examiner Signature: \_\_\_\_\_ Start time: \_\_\_\_\_ End time: \_\_\_\_\_

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**NOTE: Shaded areas are the same on both Insulation & Roofing Field Exams**

## 2. Pre-Application (15% weighting)

Scope: Demonstration of the ability to verify substrate conditions are acceptable and that safety procedures and equipment are being utilized.

Did the candidate do the following:

		Type	Yes	No	N/A
1	Show where safety and warning signs are located at the jobsite?	Both			
2	Demonstrate the proper setup of ventilation of the spray area?	Both			
3	Show the location of power sources and equipment?	Both			
4	Demonstrate that all <b>heat producing</b> devices are disabled, sealed and protected from exposure to SPF and from accidental powering on during spray periods and ventilation of spray area?	Both			
5	Demonstrate that all <b>HVAC ventilation systems</b> are disabled, sealed and protected from exposure to SPF and from accidental powering on during spray periods and ventilation of spray area?	Both			
6	Demonstrate the proper lockout and tag out procedure?	Both			
7	Show locations of fire extinguishers, confirm inspection date is current, correct type and quantity?	Both			
8	Demonstrate how to properly set up both an extension and a step ladder?	Both			
9	Show areas on the project where fall protection will be required and demonstrate how to check each for safe setup and use?	Both			
10	Demonstrate that the substrate is properly prepared and is clean, dry and free of dust, loose scale or rust, oil or ice (indicate new or retrofit, and if wood, metal, concrete or masonry)?	Both			
11	Demonstrate how to check the substrate temperature and record that information on the daily job log?	Both			
12	Demonstrate how to check the moisture level on/in the substrate?	Both			
13	Demonstrate proper masking procedures?	Both			
14	Demonstrate where the insulation certificate will be placed at job end and how that information is communicated to the property owner?	Both			

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### 3. Equipment/Rig (14% weighting)

Scope: Demonstration how to service equipment and identify various procedures and processes in rig in accordance with manufacturer's guidelines.

Did the candidate do the following:

		Type	Yes	No	N/A
1	Show the HMIS label on the container for the foam that will be used and explain what the instructions mean?	CC			
	Show the HMIS label on the container for the foam that will be used and explain what the instructions mean?	OC			
2	Show the lot number and/or expiration dates?	CC			
	Show the lot number and/or expiration dates?	OC			
3	Show the location of the eye wash?	Both			
4	Demonstrate how to check equipment and tools for operation or damage to verify that they are safe for use?	Both			
5	Explain to examiner the procedure to ensure a continuous supply of material to the machine, and point out the techniques used?	Both			
6	Demonstrate how to stir Open Cell B-Side material in the drum?	OC			
7	Demonstrate how to rebuild the plural component spray gun?	Both			

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#### 4. Application (47% weighting)

Scope: Prep area for PPE which is required at Station 4 Demonstration of application of spray polyurethane foam to specific thickness with proper pattern/distance and mix.

Did the candidate do the following:

		Type	Yes	No	N/A
1	Demonstrate how to spray a test pattern and describe how the test is used to verify proper mix and pattern?	CC			
	Demonstrate how to spray a test pattern and describe how the test is used to verify proper mix and pattern?	OC			
2	Demonstrate spraying with the gun at the proper distance from substrate?	CC			
	Demonstrate spraying with the gun at the proper distance from substrate?	OC			
3	Demonstrate the ability to spray without having gaps or voids in the foam. Demonstrate how to check for gaps or voids?	CC			
	Demonstrate the ability to spray without having gaps or voids in the foam. Demonstrate how to check for gaps or voids?	OC			
4	Demonstrate ability to spray an average 1" thickness . Plus/minus 1/4" tolerance?	CC			
5	Demonstrate ability to spray an average of 3" thickness . Plus/minus 3/4" tolerance?	CC			
6	Demonstrate ability to spray an average 3 1/2" thickness . Plus/minus 3/4" tolerance?	OC			
7	Demonstrate ability to spray an average 7 1/2" thickness . Plus/minus 1 1/2" tolerance?	OC			
8	Demonstrate uniform surface texture?	CC			
9	Demonstrate how to use a probe to check depth and measure surface uniformity?	Both			
	Explain how to seal the resulting hole?	Both			
10	Demonstrate the ability to spray a pass no more than 1 1/2" or less than 1/2" in thickness?	CC			
11	Demonstrate how to verify adhesion at stud/wall junctures to ensure adhesion?	Both			
12	Demonstrate how to wear proper PPE for trimming?	Both			
13	Demonstrate how to trim back closed cell foam that has been sprayed beyond the stud profile?	CC			
14	Demonstrate how to trim back open cell foam that has been sprayed beyond the stud profile?	OC			
15	Demonstrate the ability to apply the liquid thermal barrier at a specified mil thickness over a given area?	Both			

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## 5. Start-up/Shutdown (8% weighting)

Scope: Demonstration of the proper way the start-up/shut-down of equipment and the jobsite.

Did the candidate do the following:

		Type	Yes	No	N/A
1	Demonstrate proper equipment start up procedures for the generator, compressor, air dryer, transfer pumps, proportioner, hoses and gun?	Both			
2	Demonstrate procedures for adjusting heat and pressure on the spray machine?	Both			
3	Show how to troubleshoot a pressure imbalance on the spray machine?	Both			
4	Explain how to use equipment error codes to troubleshoot problems on the machine?	Both			
5	Demonstrate proper procedure for shut down to park the equipment?	Both			
6	Demonstrate proper procedure for shut down of the heaters A-B and hose?	Both			
7	Demonstrate proper procedure for shut down of the air compressor?	Both			
8	Demonstrate proper procedure for shut down of the main power?	Both			
9	Demonstrate proper procedure for end of day shut down?	Both			
10	Demonstrate proper procedure for end of job shut down?	Both			


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**COMMENTS:**


This is to confirm that the above Field Examiner (s):

 & \_\_\_\_\_ have conducted the field examination as per the Field Examination Process developed by the SPFA PCP (as updated from time to time) and do not have conflict of interest with the candidate, or have not provided private or individual training since the SPFA PCP first offered training in November 2012. I / we do solemnly declare; that to the best of my / our knowledge, this is true and correct and I make this solemn declaration conscientiously believing it to be true and I / we hereby acknowledge and agree that it is binding and of the same force and effects as if made under oath. I / we hereby authorize SPFA PCP to verify the information provided as needed.