

<b>Job Title:</b>	Mechanical Insulator	<b>Job Category:</b>	Construction
<b>Department/Group:</b>	Field Operations	<b>Job Code/ Req#:</b>	238290
<b>Job Description</b>			
<p><b>ROLE AND RESPONSIBILITIES</b></p> <p>Apply insulating materials to pipes or ductwork, or other mechanical systems in order to help control and maintain temperature per blueprints or specifications.</p> <p><b>Tasks</b></p> <ul style="list-style-type: none"> <li>• Prepare and track required documentation related job tasks.</li> <li>• Inspecting equipment, structures, or materials to identify defects or other problems.</li> <li>• Moving insulation materials and covering materials to work area.</li> <li>• Determine the amounts and types of insulation needed, and methods of installation, based on factors such as location, surface shape, and equipment use.</li> <li>• Remove worn, damaged or outdated materials from work areas.</li> <li>• Measure materials or objects for installation or assembly</li> <li>• Measure and cut insulation for covering surfaces, using tape measures, handsaws, knives, and scissors.</li> <li>• Fit and secure insulation around obstructions, and shape insulating materials and protective coverings as required.</li> <li>• Measure and cut sheet metal, vinyl or other materials for covering insulation.</li> <li>• Install sheet metal, vinyl or other materials around insulation materials with glues, bands, screws, or other adhesives to protect the insulation from weather conditions or physical damage.</li> <li>• Apply, remove, and repair insulation on industrial equipment, pipes, ductwork, or other mechanical systems such as heat exchangers, tanks, and vessels, to help control noise and maintain temperatures.</li> <li>• Clean work areas and remove waste debris.</li> <li>• Install insulation on or in equipment or structures.</li> <li>• Select other proper construction materials required for installation.</li> </ul> <p><b>Work Activities</b></p> <ul style="list-style-type: none"> <li>• Getting Information — Observing, receiving, and otherwise obtaining information from all relevant sources.</li> <li>• Handling and Moving Objects — Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.</li> <li>• Performing General Physical Activities — Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.</li> <li>• Inspecting Equipment, Structures, or Material — Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.</li> <li>• Coordinating the Work and Activities of Others — Getting members of a group to work together to accomplish tasks.</li> </ul> <p><b>Technology</b></p> <ul style="list-style-type: none"> <li>• Basic computer skills</li> <li>• Knowledge of phone-based email application</li> </ul> <p><b>Knowledge</b></p> <ul style="list-style-type: none"> <li>• Mathematics — Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.</li> </ul>			

See more occupations related to this knowledge.

- Building and Construction — Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads. See more occupations related to this knowledge.
- Mechanical — Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
- Customer and Personal Service — Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

#### Skills

- Coordination — Adjusting actions in relation to others' actions.
- Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
- Monitoring — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
- Social Perceptiveness — Being aware of others' reactions and understanding why they react as they do.

#### Abilities

- Arm-Hand Steadiness — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.
- Oral Comprehension — The ability to listen to and understand information and ideas presented through spoken words and sentences.
- Oral Expression — The ability to communicate information and ideas in speaking so others will understand.
- Extent Flexibility — The ability to bend, stretch, twist, or reach with your body, arms, and/or legs.
- Finger Dexterity — The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.
- Working at heights — The ability to climb and work from ladders, operate and work from aerial lifts, and work from scaffolding and roofs for long periods of time.

#### QUALIFICATIONS AND EDUCATION REQUIREMENTS

Must be 18 year or older

Must have a High School diploma or equivalent

#### PREFERRED SKILLS

Preferred Skills

#### ADDITIONAL NOTES

Additional Notes

Reviewed By:	Name	Date:	Date
Approved By:	Name	Date:	Date
Last Updated By:	Name	Date/Time:	Date/Time