

Job Description

Industrial Insulator

Apply insulation supports, insulating materials and surface claddings and coatings to pipes, vessels, tanks, ductwork, and associated equipment or other mechanical systems in order to control heat loss or gain, provide personnel protection, frost protection and maintain temperature, and/or provide noise control and fire protection.

Sample Job Titles

Air Conditioning Insulation

Installer	Insulator	Pipe Coverer
Blanket Maker	Insulation Mechanic	Pipe Coverer and Insulator
Boiler Coverer	Insulation Power Unit	Pipe Insulator
Commercial Insulator	Tender	Refrigeration Insulator
Firestop Installer	Insulation Worker	Scaffold Builder
Firestopper Technician		Sheet Metal Insulator
Heat and Frost Insulator		Thermal Insulation Engineer
Industrial Insulator	Insulation Worker Furnace	Thermal Insulation Engineer
Insulation Helper	Installer	Apprentice
Insulation Installer	Lager	
Insulation Machine Operator	Mechanic Insulator	
	Mechanical Insulator	

Job Tasks

- Measure and cut insulation for covering surfaces, using tape measures, handsaws, knives, and scissors.
- Remove or seal off old insulation, following safety procedures.
- Fit insulation around obstructions, and shape insulating materials and protective coverings as required.
- Determine the amounts and types of insulation needed, and methods of installation, based on factors such as location, surface shape, and equipment use.
- Install sheet metal around insulated pipes with screws in order to protect the insulation from weather conditions or physical damage.
- Apply, remove, and repair insulation, thermal and fire, on industrial and domestic equipment, pipes, ductwork, or other mechanical systems such as heat exchangers, tanks, pipework and vessels, to help control noise and maintain temperatures.
- Select appropriate insulation, thermal and fire, such as mineral wool, fiberglass, foams or other materials based on the heat retaining or excluding characteristics of the material.
- Read blueprints and specifications to determine job requirements.
- Cover, seal, or finish insulated surfaces or access holes with covers of metallic or nonmetallic, canvas strips, sealants, tape, cement or asphalt mastic.
- Working with tools and machinery used in the trade.