

Insulator (Heat and Frost) RSOS (2018) Subtask to Unit Comparison

RSOS Subtask		Manitoba Unit(s)
Task A-1 – Performs safety-related functions.		
A-1.01	Uses personal protective equipment (PPE) and safety equipment.	A2 Trade Safety Awareness
A-1.02	Maintains safe work environment.	A2 Trade Safety Awareness A5 Routine Trade Practices I
Task A-2 – Uses and maintains tools and equipment.		
A-2.01	Uses tools and equipment.	A4 Tools and Equipment
A-2.02	Uses access equipment.	A2 Trade Safety Awareness
Task A-3 – Organizes work.		
A-3.01	Performs task scheduling.	A5 Routine Trade Practices I
A-3.02	Organizes materials on site.	A5 Routine Trade Practices I
Task A-4 – Uses communication and mentoring techniques.		
A-4.01	Uses communication techniques.	A3 Computer and Communication Skills
A-4.02	Uses mentoring techniques.	D5 Journeyperson Trainer
Task A-5 – Performs routine trade practices.		
A-5.01	Performs measurements and calculations	A5 Routine Trade Practices I A6 Industrial and Commercial Applications I B2 Routine Trade Practices II B3 Industrial and Commercial Applications II C2 Routine Trade Practices III C3 Industrial and Commercial Applications III D2 Industrial and Commercial Applications IV
A-5.02	Interprets specifications and drawings.	B1 Blueprints and Specifications I C1 Blueprints and Specifications II D1 Blueprints and Specifications III
A-5.03	Prepares substrates.	A5 Routine Trade Practices I B2 Routine Trade Practices II
Task B-6 – Prepares for installation of insulation in industrial applications.		
B-6.01	Selects materials for industrial applications.	A5 Routine Trade Practices I A6 Industrial and Commercial Applications I B2 Routine Trade Practices II B3 Industrial and Commercial Applications II C2 Routine Trade Practices III C3 Industrial and Commercial Applications III D2 Industrial and Commercial Applications IV
B-6.02	Performs layout for industrial applications.	A5 Routine Trade Practices I A6 Industrial and Commercial Applications I B2 Routine Trade Practices II B3 Industrial and Commercial Applications II C2 Routine Trade Practices III C3 Industrial and Commercial Applications III D2 Industrial and Commercial Applications IV
Task B-7 – Insulates piping and fittings.		
B-7.01	Installs insulation on piping, fittings and	A5 Routine Trade Practices I

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	hangers.	A6 Industrial and Commercial Applications I
B-7.02	Applies vapour barrier on piping and fittings.	A5 Routine Trade Practices I A6 Industrial and Commercial Applications I
B-7.03	Installs cladding, jacketing and finishes on piping and fittings.	C2 Routine Trade Practices III C3 Industrial and Commercial Applications III D2 Industrial and Commercial Applications IV
Task B-8 – Insulates tanks, vessels and equipment.		
B-8.01	Installs insulation on tanks, vessels and equipment.	B2 Routine Trade Practices II B3 Industrial and Commercial Applications II
B-8.02	Applies vapour barrier on tanks, vessels and equipment.	B2 Routine Trade Practices II B3 Industrial and Commercial Applications II
B-8.03	Installs cladding, jacketing and finishes on tanks, vessels and equipment.	C2 Routine Trade Practices III C3 Industrial and Commercial Applications III
Task C-9 – Prepares for installation of insulation in commercial applications.		
C-9.01	Selects materials for commercial applications.	A5 Routine Trade Practices I A6 Industrial and Commercial Applications I B2 Routine Trade Practices II B3 Industrial and Commercial Applications II C2 Routine Trade Practices III C3 Industrial and Commercial Applications III D2 Industrial and Commercial Applications IV
C-9.02	Performs layout for commercial applications.	A5 Routine Trade Practices I A6 Industrial and Commercial Applications I B2 Routine Trade Practices II B3 Industrial and Commercial Applications II C2 Routine Trade Practices III C3 Industrial and Commercial Applications III D2 Industrial and Commercial Applications IV
Task C-10 – Insulates plumbing and mechanical piping systems.		
C-10.01	Installs insulation on plumbing and mechanical piping systems.	A5 Routine Trade Practices I A6 Industrial and Commercial Applications I
C-10.02	Applies vapour barrier on insulated plumbing and mechanical piping systems.	A5 Routine Trade Practices I A6 Industrial and Commercial Applications I
C-10.03	Installs cladding, jacketing and finishes on insulated plumbing and mechanical piping systems.	B2 Routine Trade Practices II B3 Industrial and Commercial Applications II
Task C-11 – Insulates mechanical ducting.		
C-11.01	Installs insulation on mechanical ducting.	B2 Routine Trade Practices II B3 Industrial and Commercial Applications II
C-11.02	Applies vapour barrier on insulated mechanical ducting.	B2 Routine Trade Practices II B3 Industrial and Commercial Applications II
C-11.03	Installs cladding, jacketing and finishes on insulated mechanical ducting.	C2 Routine Trade Practices III C3 Industrial and Commercial Applications III
Task C-12 – Insulates mechanical equipment.		
C-12.01	Installs insulation on mechanical equipment.	B2 Routine Trade Practices II B3 Industrial and Commercial Applications II
C-12.02	Applies vapour barrier on insulated mechanical equipment.	B2 Routine Trade Practices II B3 Industrial and Commercial Applications II
C-12.03	Installs cladding, jacketing and finishes on insulated mechanical equipment.	C2 Routine Trade Practices III C3 Industrial and Commercial Applications III
Task D-13 – Installs fire stop systems.		
D-13.01	Identifies approved fire stop systems.	A7 Fire Stopping I D4 Fire Stopping II
D-13.02	Applies fire stop materials to architectural,	A7 Fire Stopping I

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	structural, mechanical and electrical components.	D4 Fire Stopping II
Task D-14 – Insulates for soundproofing.		
D-14.01	Insulates piping for soundproofing.	B4 Common Applications to Industrial and Commercial
D-14.02	Insulates turbines, equipment and mechanical systems for soundproofing.	B4 Common Applications to Industrial and Commercial
D-14.03	Fabricates acoustic panels. (NOT COMMON CORE)	B4 Common Applications to Industrial and Commercial
D-14.04	Installs acoustic panels to ceilings and walls. (NOT COMMON CORE)	B4 Common Applications to Industrial and Commercial
Task D-15 – Installs removable covers.		
D-15.01	Fabricates removable covers.	C4 Removable Covers I D3 Removable Covers II
D-15.02	Fastens removable covers.	C4 Removable Covers I D3 Removable Covers II
Task D-16 – Installs underground insulating systems.		
D-16.01	Installs pipe insulation to underground systems.	B4 Common Applications to Industrial and Commercial
D-16.02	Installs pour-in-place and spray-on insulation to underground systems.	B4 Common Applications to Industrial and Commercial
Task E-17 – Sprays sealers, coatings and spray-on insulation.		
E-17.01	Protects surrounding work area for spraying.	B5 Specialized Applications
E-17.02	Prepares material, equipment and substrate for spraying.	B5 Specialized Applications
E-17.03	Installs reinforcing material for spraying.	B5 Specialized Applications
E-17.04	Applies spray-on insulation, coatings and sealers.	B5 Specialized Applications
Task E-18 – Installs fireproofing.		
E-18.01	Applies fireproofing to architectural, structural, mechanical and electrical components.	A7 Fire Stopping I
E-18.02	Applies protective covering to fireproofing materials.	D4 Fire Stopping II
Task E-19 – Installs insulation for refractory systems.		
E-19.01	Applies insulation to refractory systems.	B5 Specialized Applications
E-19.02	Installs reflective systems.	B5 Specialized Applications
E-19.03	Installs cladding, jacketing and finishes to refractory systems.	B5 Specialized Applications
Task E-20 – Installs insulation on cryogenic systems.		
E-20.01	Applies insulation to cryogenic systems.	B5 Specialized Applications
E-20.02	Applies vapour barrier to insulated components of cryogenic systems.	B5 Specialized Applications
E-20.03	Installs cladding, jacketing and finishes to cryogenic systems.	B5 Specialized Applications
Task E-21 – Insulates for marine applications. (NOT COMMON CORE)		
E-21.01	Insulates bulkheads, deckheads and hulls. (NOT COMMON CORE)	<i>NOT COMMON CORE</i>
E-21.02	Installs cladding, jacketing and finishes on marine applications. (NOT COMMON CORE)	<i>NOT COMMON CORE</i>
Task F-22 – Prepares for asbestos abatement.		

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F-22.01	Determines required personal protective equipment (PPE) for asbestos abatement.	A8 Asbestos, Lead and Mould Abatement
F-22.02	Retrieves sample of asbestos for testing.	A8 Asbestos, Lead and Mould Abatement
F-22.03	Determines scope of work.	A8 Asbestos, Lead and Mould Abatement
F-22.04	Prepares site for removal and containment of asbestos.	A8 Asbestos, Lead and Mould Abatement
F-22.05	Builds temporary enclosure.	A8 Asbestos, Lead and Mould Abatement
Task F-23 – Performs asbestos removal procedures.		
F-23.01	Removes asbestos.	A8 Asbestos, Lead and Mould Abatement
F-23.02	Disposes of asbestos materials.	A8 Asbestos, Lead and Mould Abatement
F-23.03	Performs decontamination of area and equipment.	A8 Asbestos, Lead and Mould Abatement
Task F-24 – Performs maintenance and repair.		
F-24.01	Encapsulates asbestos.	A8 Asbestos, Lead and Mould Abatement
F-24.02	Encloses asbestos.	A8 Asbestos, Lead and Mould Abatement
Task F-25 – Performs lead abatement and mould remediation.		
F-25.01	Performs lead abatement.	A8 Asbestos, Lead and Mould Abatement
F-25.02	Performs mould remediation.	A8 Asbestos, Lead and Mould Abatement