

Roofer RSOS (2020) Subtask to Unit Comparison

RSOS Subtask		Manitoba Unit(s)
MAJOR WORK ACTIVITY A – PERFORMS COMMON OCCUPATIONAL SKILLS		
Task A-1 – Performs safety-related functions		
A-1.01	Maintains safe work environment	A2 Trade Safety Awareness
A-1.02	Uses personal protective equipment (PPE) and safety equipment	A2 Trade Safety Awareness
Task A-2 – Uses tools and equipment		
A-2.01	Uses hand tools	A5 Tools and Equipment B2 Hot Process, Propane and Motorized Equipment C2 Steep Roof Construction and Products III
A-2.02	Uses power tools, pneumatic tools, and hot-air welding, induction and fueled equipment	A5 Tools and Equipment B2 Hot Process, Propane and Motorized Equipment C2 Steep Roof Construction and Products III
A-2.03	Uses hoisting, lifting and rigging equipment	A10 Fall Protection, Scaffolding and Roof Access Structures B8 Lifting, Rigging and Hoisting C2 Steep Roof Construction and Products III
A-2.04	Uses access equipment	A10 Fall Protection, Scaffolding and Roof Access Structures B8 Lifting, Rigging and Hoisting C2 Steep Roof Construction and Products III
A-2.05	Uses hot process equipment	A5 Tools and Equipment B2 Hot Process, Propane and Motorized Equipment C2 Steep Roof Construction and Products III
A-2.06	Uses motorized equipment	A5 Tools and Equipment B2 Hot Process, Propane and Motorized Equipment C2 Steep Roof Construction and Products III
Task A-3 – Organizes work		
A-3.01	Uses documentation and reference materials	A4 Blueprints and Trade Documents I B1 Blueprints and Trade Documents II C1 Estimating Roof Construction Projects
A-3.02	Interprets blueprints and drawings	A4 Blueprints and Trade Documents I B1 Blueprints and Trade Documents II C1 Estimating Roof Construction Projects
A-3.03	Estimates material	C1 Estimating Roof Construction Projects
A-3.04	Assesses worksite conditions	A2 Trade Safety Awareness B9 Jobsite Preparation and Inspection C5 Jobsite Coordination and Maintenance
A-3.05	Positions equipment and material on the ground and on the roof	A5 Tools and Equipment B8 Lifting, Rigging and Hoisting
A-3.06	Prepares material disposal systems	A10 Fall Protection, Scaffolding and Roof Access Structures B9 Jobsite Preparation and Inspection
A-3.07	Evaluates roof conditions near rooftop equipment installations	C3 Analyzing and Troubleshooting Roof Failures

Task A-4 – Uses communication and mentoring techniques		
A-4.01	Uses communication techniques	A1 Learning About Work C5 Jobsite Coordination and Maintenance
A-4.02	Uses mentoring techniques	C6 Journeyperson Trainer
MAJOR WORK ACTIVITY B – PREPARES ROOF DECK		
Task B-5 – Prepares roof for replacement		
B-5.01	Protects surrounding area	A2 Trade Safety Awareness B9 Jobsite Preparation and Inspection C5 Jobsite Coordination and Maintenance
B-5.02	Removes loose debris	A7 Steep Roof Construction and Products I B9 Jobsite Preparation and Inspection C5 Jobsite Coordination and Maintenance
B-5.03	Removes roofing and flashings	A7 Steep Roof Construction and Products I B9 Jobsite Preparation and Inspection C2 Steep Roof Construction and Products III
B-5.04	Prepares roof substrate	A7 Steep Roof Construction and Products I B9 Jobsite Preparation and Inspection
B-5.05	Performs minor adjustments to penetrations, curbs and parapets	A7 Steep Roof Construction and Products I B3 Low Slope and Flat Roof Construction B9 Jobsite Preparation and Inspection
Task B-6 – Prepares deck for roof installation		
B-6.01	Inspects deck	A7 Steep Roof Construction and Products I B9 Jobsite Preparation and Inspection C5 Jobsite Coordination and Maintenance
B-6.02	Cleans surface of deck	A7 Steep Roof Construction and Products I B9 Jobsite Preparation and Inspection C5 Jobsite Coordination and Maintenance
B-6.03	Verifies placement of roof penetrations, curbs and parapets	A4 Blueprints and Trade Documents I B1 Blueprints and Trade Documents II C1 Estimating Roof Construction Projects
B-6.04	Dries deck	A7 Steep Roof Construction and Products I B9 Jobsite Preparation and Inspection C2 Steep Roof Construction and Products III
MAJOR WORK ACTIVITY C – INSTALLS LOW SLOPE ROOFING		
Task C-7 – Applies low slope roofing components		
C-7.01	Installs support panels	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C2 Steep Roof Construction and Products III
C-7.02	Primes substrate	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
C-7.03	Applies vapour retarder, vapour barrier and air barrier	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
C-7.04	Installs insulation	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
C-7.05	Installs cover board	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
C-7.06	Installs drains, vents, curbs and penetrations	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction

		C1 Estimating Roof Construction Projects
C-7.07	Applies ballast, walkways and protective surfaces	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
C-7.08	Installs metal flashings	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
Task C-8 – Applies low slope roofing membranes		
C-8.01	Relaxes membranes	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
C-8.02	Sets membranes	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
C-8.03	Applies membranes using hot-liquid process	A6 Roofing Materials and Products B2 Hot Process, Propane and Motorized Equipment C1 Estimating Roof Construction Projects
C-8.04	Applies membranes using torched-on method	B6 Modified Bitumen Membrane Installation
C-8.05	Applies membranes using hot-air welding	B3 Low Slope and Flat Roof Construction C4 Single-Ply Membranes
C-8.06	Applies membranes using cold applied methods	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C4 Single-Ply Membranes
C-8.07	Applies membranes using mechanical fasteners	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C4 Single-Ply Membranes
C-8.08	Applies loose-laid membranes	C1 Estimating Roof Construction Projects C4 Single-Ply Membranes
C-8.09	Applies liquid-applied membranes	B7 Damp-proofing and Waterproofing Surfaces C1 Estimating Roof Construction Projects
C-8.10	Installs membrane flashings	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
C-8.11	Installs temporary seals and temporary drains	A6 Roofing Materials and Products B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects
MAJOR WORK ACTIVITY D – INSTALLS STEEP SLOPE ROOFING		
Task D-9 – Performs common steep slope practices		
D-9.01	Installs steep slope underlayment	A6 Roofing Materials and Products A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II
D-9.02	Installs steep slope venting	A6 Roofing Materials and Products A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II
D-9.03	Installs steep slope valley applications	A6 Roofing Materials and Products A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II
D-9.04	Installs steep slope saddles/crickets	A6 Roofing Materials and Products A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C1 Estimating Roof Construction Projects
D-9.05	Installs steep slope penetration flashings	A6 Roofing Materials and Products A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II

		C1 Estimating Roof Construction Projects
Task D-10 – Applies shingles		
D-10.01	Determines layout of shingles	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-10.02	Installs starter strip and starter course	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-10.03	Fastens shingles	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-10.04	Cuts shingles	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-10.05	Tabs shingles	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-10.06	Installs metal flashings for shingled roofs	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
Task D-11 – Applies roof tiles		
D-11.01	Installs battens/strapping for roof tiles	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-11.02	Fastens roof tiles	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-11.03	Cuts roof tiles	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-11.04	Installs closure strips for roof tiles	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-11.05	Installs ridge and hip caps	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-11.06	Installs metal flashings for tiled roofs	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
Task D-12 – Applies pre-formed metal roofing		
D-12.01	Installs battens/strapping for pre-formed metal roofing	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-12.02	Fastens pre-formed metal roofing	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-12.03	Cuts sheet metal	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-12.04	Installs closure strips for pre-formed metal roofing	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
D-12.05	Installs snow guards	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II

		C2 Steep Roof Construction and Products III
D-12.06	Installs metal flashings for pre-formed metal roofs	A7 Steep Roof Construction and Products I B4 Steep Roof Construction and Products II C2 Steep Roof Construction and Products III
MAJOR WORK ACTIVITY E – WATERPROOFS AND DAMP-PROOFS SURFACES		
Task E-13 – Waterproofs surfaces		
E-13.01	Prepares waterproofing substrates	B7 Damp-proofing and Waterproofing Surfaces
E-13.02	Applies waterproofing membrane	B7 Damp-proofing and Waterproofing Surfaces
E-13.03	Installs green, sustainable, vegetative and protected membrane components	B3 Low Slope and Flat Roof Construction C3 Analyzing and Troubleshooting Roof Failures
Task E-14 – Damp-proofs surfaces		
E-14.01	Applies damp-proofing materials	B7 Damp-proofing and Waterproofing Surfaces
E-14.02	Applies protection layer	B7 Damp-proofing and Waterproofing Surfaces
MAJOR WORK ACTIVITY F – ASSESSES, MAINTAINS AND REPAIRS ROOF		
Task F-15 – Assesses roof condition		
F-15.01	Performs roof inspections	B9 Jobsite Preparation and Inspection C3 Analyzing and Troubleshooting Roof Failures
F-15.02	Performs cut test	C3 Analyzing and Troubleshooting Roof Failures
F-15.03	Determines maintenance or repair required	C3 Analyzing and Troubleshooting Roof Failures
Task F-16 – Maintains and repairs low slope roofing		
F-16.01	Maintains low slope roofing	B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects C3 Analyzing and Troubleshooting Roof Failures
F-16.02	Repairs low slope roofing	B3 Low Slope and Flat Roof Construction C1 Estimating Roof Construction Projects C3 Analyzing and Troubleshooting Roof Failures
Task F-17 – Maintains and repairs steep slope roofing		
F-17.01	Maintains steep slope roofing	B4 Steep Roof Construction and Products II C3 Analyzing and Troubleshooting Roof Failures
F-17.02	Repairs steep slope roofing	B4 Steep Roof Construction and Products II C3 Analyzing and Troubleshooting Roof Failures



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