

Roofer Harmonized Level 1

STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Roofer Harmonized Level 1 SLE*.

Number of questions on each exam: 100

Level 1 GAC/Competency	#
A. PERFORM SAFETY-RELATED FUNCTIONS	13
A1. Maintain safe work environment	7
A2. Use personal protective equipment (PPE) and safety equipment	6
B. USE TOOLS AND EQUIPMENT	10
B1. Use hand tools	2
B2. Use power tools, pneumatic tools, and hot-air welding, induction, and fuelled equipment	2
B3. Use hoisting, lifting, and rigging equipment	1
B4. Use access equipment	2
B5. Use hot process equipment	2
B6. Use motorized equipment	1
C. ORGANIZE WORK	17
C1. Use documentation and reference materials	2
C2. Interpret blueprints and drawings	3
C4. Assess worksite conditions	3
C5. Position equipment and material on the ground and on the roof	4
C6. Prepare material disposal systems	2
C8. Use roofing math	3
D. USE COMMUNICATION AND MENTORING TECHNIQUES	1
D1. Use communication techniques	1
E. PREPARE ROOF FOR REPLACEMENT	5
E1. Protect surrounding area	2
E2. Remove loose debris	2
E3. Remove roofing and flashings	1

Level 1 GAC/Competency	#
F. PREPARE DECK FOR ROOF INSTALLATION	3
F2. Clean surface of deck	2
F4. Dry deck	1
G. APPLY LOW SLOPE ROOFING COMPONENTS	14
G1. Install support panels	2
G2. Prime substrate	1
G3. Apply vapour retarder, vapour barrier, and air barrier	1
G4. Install insulation	3
G5. Install cover board	3
G6. Install drains, vents, curbs, and penetrations	2
G7. Apply ballast, walkways, and protective surfaces	1
G8. Install metal flashings	1
H. APPLY LOW SLOPE ROOFING MEMBRANES	13
H1. Relax membranes	1
H2. Set membranes	1
H3. Apply membranes using hot-liquid process	4
H6. Apply membranes using cold-applied methods	2
H7. Apply membranes using mechanical fasteners	2
H10. Install membrane flashings	2
H11. Install temporary seals and temporary drains	1
I. PERFORM COMMON STEEP SLOPE PRACTICES	9
I1. Install steep slope underlayment	2
I2. Install steep slope venting	1
I3. Install steep slope valley applications	2
I4. Install steep slope saddles/crickets	1
I5. Install steep slope penetration flashings	2
I6. Install steep slope metal flashings and drainage	1
J. APPLY SHINGLES	15
J1. Determine type and layout of shingles	4
J2. Install starter strip and starter course	1
J3. Fasten shingles	3
J4. Cut shingles	2
J5. Tab shingles	1
J6. Install metal flashings for shingled roofs	4
Total:	100

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March 24, 2023