

Roofer Harmonized Level 2

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 2 SLE*.

Number of questions on each exam: 100

Level 2 GAC/Competency	#
B. USE TOOLS AND EQUIPMENT	14
B1. Use hand tools	2
B2. Use power tools, pneumatic tools, and hot-air welding, induction, and fuelled equipment	3
B3. Use hoisting, lifting, and rigging equipment	3
B4. Use access equipment	3
B5. Use hot process equipment	1
B6. Use motorized equipment	2
C. ORGANIZE WORK	19
C1. Use documentation and reference materials	5
C2. Interpret blueprints and drawings	7
C4. Assess worksite conditions	2
C5. Position equipment and material on the ground and on the roof	2
C6. Prepare material disposal systems	1
C8. Use roofing math	2
E. PREPARE ROOF FOR REPLACEMENT	3
E4. Prepare roof substrate	2
E5. Perform minor adjustments to penetrations, curbs and parapets	1
F. PREPARE DECK FOR ROOF INSTALLATION	4
F1. Inspect deck	2
F3. Verify placement of roof penetrations, curbs, and parapets	2
G. APPLY LOW SLOPE ROOFING COMPONENTS	18
G1. Install support panels	2
G2. Prime substrate	1
G3. Apply vapour retarder, vapour barrier, and air barrier	2
G4. Install insulation	3

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G5. Install cover board	3
G6. Install drains, vents, curbs, and penetrations	4
G7. Apply ballast, walkways, and protective surfaces	1
G8. Install metal flashings	2
H. APPLY LOW SLOPE ROOFING MEMBRANES	18
H1. Relax membranes	1
H2. Set membranes	1
H3. Apply membranes using hot-liquid process	1
H4. Apply membranes using torched-on method	4
H5. Apply membranes using hot air welding	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
J. APPLY SHINGLES	11
J1. Determine type and layout of shingles	4
J2. Install starter strip and starter course	1
J3. Fasten shingles	1
J4. Cut shingles	1
J6. Install metal flashings for shingled roofs	4
M. WATERPROOF SURFACES	3
M1. Prepare waterproofing substrates	1
M2. Apply waterproofing membrane	2
N. DAMP-PROOF SURFACES	3
N1. Apply damp-proofing materials	2
N2. Apply protective layer	1
P. MAINTAIN AND REPAIR LOW SLOPE ROOFING	4
P1. Maintain low slope roofing	1
P2. Repair low slope roofing	3
Q. MAINTAIN AND REPAIR STEEP SLOPE ROOFING	3
Q1. Maintain steep slope roofing	1
Q2. Repair steep slope roofing	2
Total:	100

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