

Insulator (Heat and Frost) 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 *Insulator (Heat and Frost) Harmonized Level 2 SLE*.

Number of questions on each exam: 80

Level 2 GAC/Competency	#
E. PERFORM ROUTINE TRADE PRACTICES	12
E1. Perform measurements and calculations	3
E2. Interpret specifications and drawings	2
E3. Prepare substrates	2
E4. Select materials	2
E5. Perform layout	3
G. INSULATE TANKS, VESSELS AND EQUIPMENT	15
G1. Install insulation on tanks, vessels and equipment	8
G2. Apply vapour barriers on tanks, vessels and equipment	7
H. INSULATE PLUMBING AND MECHANICAL PIPING SYSTEMS	2
H3. Install cladding, jacketing and finishes on insulated plumbing and mechanical piping systems	2
I. INSULATE MECHANICAL DUCTING	16
I1. Install insulation on mechanical ducting	11
I2. Install vapour barrier on insulated mechanical ducting	5
J. INSULATE MECHANICAL EQUIPMENT	10
J1. Install insulation on mechanical equipment	6
J2. Apply vapour barrier on insulated mechanical equipment	4
L. INSULATE FOR SOUNDPROOFING	2
L1. Insulate piping and equipment for soundproofing	1
L2. Install acoustic assemblies for soundproofing	1
N. INSTALL UNDERGROUND INSULATING SYSTEMS	3
N1. Install pipe insulation to underground systems	2

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Level 2 GAC/Competency	#
N2. Install pour-in-place and spray-on insulation to underground systems	1
O. SPRAY SEALERS, COATINGS AND SPRAY-ON INSULATION	4
O1. Prepare materials, equipment, surrounding work area and substrate for spraying	2
O2. Apply reinforcing materials, spray insulation, coatings and sealers	2
Q. INSTALL INSULATION FOR REFRACTORY SYSTEMS	5
Q1. Apply insulation on refractory systems	2
Q2. Install reflective systems	1
Q3. Install cladding, jacketing and finishes on refractory systems	2
R. INSTALL INSULATION FOR CRYOGENIC SYSTEMS	11
R1. Apply insulation on cryogenic systems	4
R2. Apply vapour barriers to insulated components of cryogenic systems	4
R3. Install cladding, jacketing and finishes on cryogenic systems	3
Total:	80