

Recommended Qualification Structure (RQS) for Thermal Insulation (Construction) Level 3

This structure has been recommended by employers and stakeholders from the above occupational area for organisations to form the basis of academic capability and competence outcomes. Qualifications with a competence outcome at the above level must have units derived from the following National Occupational Standards (NOS) and consist of the mandatory/optional groups as stated for the individual option route.

MANDATORY (all option routes)

- VR209v2 Confirm work activities and resources for the work
- VR210v3 Develop and maintain good working relationships
- VR211v2 Confirm the occupational method of work
- VR216v3 Confirm work meets quality standards
- VR641v2 Conform to general workplace health, safety and welfare

PLUS ONE OF THE FOLLOWING OPTIONAL ROUTES

Fabricate Protection Option Route (Total 8)

Mandatory

- VR654v2 Fabricate joints in thermal insulation protection using sheet metal

Plus optional (one from the following)

- VR323v3 Fabricate sheet metal insulation protection from existing templates
- VR324v3 Fit sheet metal insulation protection

Apply Insulation Option Route (Total 8)

Mandatory

- VR655v2 Apply insulation and finishes to complicated surfaces

Plus optional (one from the following)

- VR322v3 Apply insulation and finishes to cylindrical and flat surfaces
- VR656v2 Remove and replace thermal insulation for maintenance or inspection

Additional (not compulsory)

- VR250v2 Erect and dismantle access/working platform

Unit endorsements for Thermal Insulation Level 3

Where industry requests; qualifications can be endorsed to show an option route and the type of resources and/or activities that relate to the unit. Listed below are the endorsements that can apply for units derived from the following NOS.

NOS	Endorsement
VR250	Own area of work (i.e. Thermal Insulation) Plus two or more of the following: Ladders/crawler boards Step ladders/platform steps Proprietary towers Trestle platforms Mobile scaffold towers Proprietary staging/podiums
VR322	Four of the following: Pipes Ducts Flat surfaces Vessels Flanges Fittings Valves
VR324	Two of the following: Pipes Ducts Vessels Fittings
VR654	Six of the following: Dome end Oblique unequal tee branch Eccentric reducer Bend trunnion Recess around obstacles Eccentric triangulation Flat back bend (space saver) Breach piece Two or more square to round Duct work transformation pieces
VR655	Six of the following: Pipes with acute and obtuse/reflex angles and joints Ducts with acute and obtuse/reflex angles and joints Oblique unequal tee branches Vessels and ancillaries Trunnions Dome ends, vessel ends, cones Flanges Fittings and fixings Valves

Note: Where industry requests an Awarding Organisation to further endorse a unit, the Awarding Organisation must first seek approval from the Standards Setting Body to ensure the endorsement is appropriate to the unit.