

**LEVEL 2 NVQ WATERPROOF MEMBRANE ROOFING SYSTEMS (CONSTRUCTION)**

Version 1 of the combined NVQ and TQT structure March 2024

<b>Guided Learning Hours</b> eg contact time or supervised learning with a mentor/tutor/supervisor including onsite or in a classroom.
<b>Assessment</b> – The average hours it would take to assess the candidate's competence in the particular function – this <b>can</b> contribute to guided learning, but this has been kept separate in building the qualification value
<b>Other Learning</b> – eg Learners own study/research, practice of skills, compilation of portfolio of work evidence
<b>Duplicated Learning</b> – units are derived from National Occupational Standards. When the units are combined for the occupational NVQ, elements of learning in one <b>occupational</b> unit are repeated in others. Hence there is a degree of duplication. The organisations involved in determining TQT also agree the amount of time in each <b>occupational</b> unit that is duplicated. For this NVQ, these elements are considered to represent 40 hours. This needs to be included for TQT once for the <b>occupational</b> units, so where there are two <b>occupational</b> units (excluding core units 641, 642, 643, 209, 210 and 211) 1 x 40 hours would be deducted similarly where there are three <b>occupational</b> units (excluding <b>core</b> mandatory units 641, 642, 643, 209, 210 and 211), there would be a deduction of 2 x 40 hours = 80

<b>Nb:</b> as qualifications are currently still built on units, which individually state guided learning hours, which has in the past excluded assessment, the values are shown separately
<b>Nb:</b> previous/older forms reflect Ofqual TQT guidance from March 2015 'After the QCF', where qualifications had to have Guided Learning, Directed Learning and Invigilated Assessment assigned as components of TQT

**PATHWAY 1 – Reinforced Bitumen Membrane Roofing**

**MINIMUM TQT FOR THIS PATHWAY = 530**

**MINIMUM NUMBER OF UNITS = 6**

UNIT	TITLE	GUIDED LEARNING HOURS		OTHER LEARNING	TQT	Level	Unit type	Endorse	Imported unit Owner
		EXISTING GLH	ASSESSMENT						
107v4	Applying reinforced bitumen membrane systems in the workplace	150	10	40	200	2	M	Y	
641v1	Conforming to general workplace health, safety and welfare in the workplace	7	10	3	20	1	M	N	WO
642v1	Conforming to productive work practices in the workplace	10	10	10	30	2	M	N	WO
643v1	Moving, handling or storing resources in the workplace	17	10	23	50	2	M	N	WO
685v2	Preparing surfaces for membrane roofing systems in the workplace	100	10	40	150	2	M	Y	
686v2	Repairing membrane roofing systems in the workplace	110	10	40	160	2	M	Y	
<b>Additional units (not compulsory)</b>									
93v3	Installing decking for flat roof coverings in the workplace	90	10	30	130	3	A	N	MA
148v3	Installing support systems for green roofs in the workplace	70	10	40	120	2	A	Y	
298v2	Installing solar collectors to roofs in the workplace	20	5	35	60	2	A	Y	RO
<b>Duplicated learning</b>					<b>-80</b>				
<b>Sub - Totals</b>		394	60	156					
<b>Totals</b>		<b>454</b>		<b>156</b>					
<b>Total TQT minus Duplicated Learning</b>					<b>530</b>				

**PATHWAY 2 – Single Ply Membrane Roofing**

**MINIMUM TQT FOR THIS PATHWAY = 500**

**MINIMUM NUMBER OF UNITS = 6**

UNIT	TITLE	GUIDED LEARNING HOURS		OTHER LEARNING	TQT	Level	Unit type	Endorse	Imported unit Owner
		EXISTING GLH	ASSESSMENT						
110v3	Applying single ply membrane roofing systems in the workplace	120	10	40	170	2	M	Y	
641v1	Conforming to general workplace health, safety and welfare in the workplace	7	10	3	20	1	M	N	WO
642v1	Conforming to productive work practices in the workplace	10	10	10	30	2	M	N	WO
643v1	Moving, handling or storing resources in the workplace	17	10	23	50	2	M	N	WO
685v2	Preparing surfaces for membrane roofing systems in the workplace	100	10	40	150	2	M	Y	
686v2	Repairing membrane roofing systems in the workplace	110	10	40	160	2	M	Y	
<b>Additional units (not compulsory)</b>									
93v3	Installing decking for flat roof coverings in the workplace	90	10	30	130	3	A	N	MA
148v3	Installing support systems for green roofs in the workplace	70	10	40	120	2	A	Y	
298v2	Installing solar collectors to roofs in the workplace	20	5	35	60	2	A	Y	RO
<b>Duplicated learning</b>					<b>-80</b>				
<b>Sub - Totals</b>		364	60	156					
<b>Totals</b>		424		156					
<b>Total TQT minus Duplicated Learning</b>					<b>500</b>				

### PATHWAY 3 – Liquid Applied Membrane Roofing

**MINIMUM TQT FOR THIS PATHWAY = 500**

**MINIMUM NUMBER OF UNITS = 6**

UNIT	TITLE	GUIDED LEARNING HOURS		OTHER LEARNING	TQT	Level	Unit type	Endorse	Imported unit Owner
		EXISTING GLH	ASSESSMENT						
113v3	Applying liquid membrane systems in the workplace	120	10	40	170	2	M	N	
641v1	Conforming to general workplace health, safety and welfare in the workplace	7	10	3	20	1	M	N	WO
642v1	Conforming to productive work practices in the workplace	10	10	10	30	2	M	N	WO
643v1	Moving, handling or storing resources in the workplace	17	10	23	50	2	M	N	WO
685v2	Preparing surfaces for membrane roofing systems in the workplace	100	10	40	150	2	M	Y	
686v2	Repairing membrane roofing systems in the workplace	110	10	40	160	2	M	Y	
<b>Additional units (not compulsory)</b>									
93v3	Installing decking for flat roof coverings in the workplace	90	10	30	130	3	A	N	MA
148v3	Installing support systems for green roofs in the workplace	70	10	40	120	2	A	Y	
298v2	Installing solar collectors to roofs in the workplace	20	5	35	60	2	A	Y	RO
<b>Duplicated learning</b>					<b>-80</b>				
<b>Sub - Totals</b>		364	60	156					
<b>Totals</b>		424		156					

Total TQT minus Duplicated Learning	500
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V1

INSERT OCCUPATIONS AFFECTED BY CHANGES TO THIS STRUCTURE

N/A

NWG members represented when determining occupation specific TQT values

Single Ply Roofing Association - UK wide

Trojan Rose - England

National Federation of Roofing Contractors - UK wide

Unit endorsements for Level 2 NVQ in Waterproof Membrane Roofing Systems

CITB

unit ref Endorsement

107	One of the following: Pour and roll Torch on Flame free Cold applied Self-adhesive Hot melt
110	Two of the following: Adhered Ballasted Mechanically fixed
148	Four of the following: Root/rhizome resistant layer Protection layer Irrigation system Drainage system Filter layer Substrate
298	One of the following: Integrated photo voltaic Mounted photo voltaic Integrated solar thermal Mounted solar thermal
685	Use and maintain one of the following: LPG gas torch Hot air gun Electronic torch. <b>Plus one of the following membrane roofing systems:</b> Reinforced bitumen Single ply Liquid applied
686	One of the following: Damaged membranes Edges and upstands Penetrations, Pipes and vents Perimeters, rainwater outlets

[Note: Where industry requests an Awarding Organisation to further endorse a unit, the Awarding Organisation must first seek approval from CITB](#)

Issued to the BEABF in October 2023