

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Mastic Asphalt generic content		V1.1	03/02/23	Paul Lintott

Performance criteria	Knowledge and understanding
<b>P1 Interpretation of information EDIT</b>	<b>K1 to K4 EDIT</b>
interpret the information relating to the work and resources to confirm its relevance for the following: <ul style="list-style-type: none"> <li>drawings</li> <li>specifications</li> <li>schedules</li> <li>oral/written instructions</li> <li>method statements</li> <li>risk assessments</li> <li>manufacturers' information</li> </ul>	<p>K1 why organisational procedures have been developed and how they are implemented</p> <p>K2 the importance of reporting and rectifying inappropriate information</p> <p>K3 types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> <li>drawings</li> <li>specifications</li> <li>schedules</li> <li>method statements</li> <li>risk assessments</li> <li>oral/written procedures for dealing with damaged and incorrect materials and resources</li> <li>manufacturers' information</li> </ul> </p> <p>K4 the range of relevant digital services, tools and systems, and how they are used</p>
<b>P2 Safe work practices EDIT</b>	<b>K5 to K13 EDIT</b>
comply with the relevant current legislation to carry out the work and maintain safe systems of work relating to the following: <ul style="list-style-type: none"> <li>methods of work</li> <li>safe use of health and safety control equipment</li> <li>safe use of access equipment and/or systems</li> <li>safe use, storage and handling of materials, tools and equipment</li> </ul>	<p>K5 information for relevant, current legislation and official guidance and how it is applied</p> <p>K6 the different types of fire extinguishers and how and when they are used in relation to water, CO2, foam, powder</p> <p>K7 how emergencies should be responded to in accordance with organisational authorisation and personal skills in relation to: <ul style="list-style-type: none"> <li>fires, spillages, injuries</li> </ul> </p>

<ul style="list-style-type: none"> <li>• safe use of temporary traffic management systems</li> <li>• specific risks associated with asbestos containing materials</li> <li>• specific risks to health including mental health and wellbeing</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• emergencies relating to occupational activities</li> </ul> <p>K8 the organisational security procedures for tools, equipment and personal belongings in relation to:</p> <ul style="list-style-type: none"> <li>• operative</li> <li>• site</li> <li>• workplace</li> <li>• company</li> <li>• vehicles</li> <li>• the general public</li> <li>• plant equipment</li> </ul> <p>K9 how to report risks and hazards identified by the following:</p> <ul style="list-style-type: none"> <li>• methods of work</li> <li>• risk assessment</li> <li>• personal assessment</li> <li>• manufacturers' technical information</li> <li>• statutory regulations</li> <li>• official guidance</li> </ul> <p>K10 the accident and near miss reporting procedures and who is responsible for making the report</p> <p>K11 why, when and how health and safety control equipment identified by the principles of prevention should be used in relation to:</p> <ul style="list-style-type: none"> <li>• collective protective measures</li> <li>• personal protective equipment (PPE)</li> <li>• respiratory protective equipment (RPE)</li> <li>• local exhaust ventilation (LEV)</li> </ul> <p>K12 how to comply with environmentally responsible work practices to meet relevant current legislation</p> <p>K13 the organisational procedure when dealing with potential accidents, health hazards and the environmental impact whilst working in the workplace:</p> <ul style="list-style-type: none"> <li>• below ground level</li> <li>• in confined spaces</li> </ul>
---	--

	<ul style="list-style-type: none"> <li>• at height</li> <li>• on the highway</li> <li>• with tools and equipment, including plant equipment and gas</li> <li>• with materials and hazardous substances</li> <li>• moving and storing materials by manual handling and mechanical lifting</li> </ul>
<b>P3 Selection of resources EDIT</b>	<b>K14 to K19 EDIT – Does not include K17</b>
select the correct required quantity and quality of the following resources for the methods of work	K14 why the limitations and defects associated with the resources are important and how they should be rectified
<ul style="list-style-type: none"> <li>• materials, components and fixings</li> <li>• tools and associated equipment</li> </ul>	K15 why the resources have been selected and how they are used
	K16 how to confirm the resources conform with the specified task
	-
<b>P4 Minimise the risk of damage EDIT</b>	<b>K20 to K23 EDIT</b>
comply with organisational procedures to minimise the risk of possible damage to the work, surrounding area and environment by:	K20 how to protect work, its surrounding area and the environment from possible damage and the purpose of protection from general workplace activities, other trades and adverse weather conditions
<ul style="list-style-type: none"> <li>• protecting the work and its surrounding area</li> <li>• maintaining a safe, clear and tidy work-space</li> <li>• disposing of waste in accordance with site procedures and current legislation</li> </ul>	K22 why and how the disposal of waste must be carried out safely in accordance with the following: <ul style="list-style-type: none"> <li>• environmental responsibilities</li> <li>• organisational procedures</li> <li>• manufacturers' information</li> <li>• site guidance</li> </ul>
	K23 why it is important to maintain a safe, clear and tidy work-space
<b>P5 Meet the contract specification EDIT</b>	<b>K24 EDIT – Does not include Skills elements</b>
<ul style="list-style-type: none"> <li>• using and maintaining hand and power tools and associated equipment</li> </ul>	<ul style="list-style-type: none"> <li>• when to seek specialist skills and advice</li> <li>• why it is important to identify and follow the installation quality requirements</li> </ul>

	<ul style="list-style-type: none"> <li>• how to work with, around and in close proximity to plant and machinery</li> <li>• how to use and maintain tools and equipment</li> <li>• how to work at height</li> <li>• how to use access equipment and systems</li> <li>• how to use access equipment</li> <li>• how to use temporary traffic management equipment and systems</li> <li>• how to use all hand tools and equipment</li> <li>• how and why operative care and maintenance of all hand and power tools and associated equipment is carried out</li> <li>•</li> </ul> <p>K25 the importance of team-work and communication</p> <p>K26 the importance of mental health awareness and wellbeing</p> <p>K27 the importance of applying Fairness, Inclusion and Respect (FIR) when dealing with others</p>
<b>P6 Allocated time EDIT</b>	<b>K29 to K30 EDIT</b>
complete the work within the estimated, allocated time in accordance with organisational procedures, the programme of work and to meet the needs of other occupations and/or client	K29 the programme of work to be carried out including the estimated and allocated time and why deadlines should be kept

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
<b>Carry out site measurements and evaluations</b>	<b>COSVR120</b>	<b>V1.1</b>	<b>03/02/23</b>	<b>Paul Lintott</b>
<b>Overview</b>				
<p>This standard is about inspecting, recording and disseminating information on site conditions relating to construction and allied occupational work activities</p> <p>Operatives working to this standard will be able to interpret information, adopt safe, healthy and environmentally responsible work practices, select and use materials, components, tools and equipment, in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements</p> <p>This standard is for people working in the occupational area of insert carry out site measurements and evaluations and can be used by operatives, supervisors and managers</p>				
<b>Performance criteria</b>	<b>Knowledge and understanding</b>	<b>Knowledge and understanding</b>		
<b>Meet the contract specification</b>	<b>P5 Meet the contract specification</b>	<b>P3 Selection of resources</b>		
<b>P5 EDIT</b>	<b>K22 EDIT</b>	<b>K16 EDIT</b>		
<p>comply with the contract information to carry out site measurements and evaluations relating to construction and allied activities by demonstrating work skills to:</p> <ul style="list-style-type: none"> <li>- measure and mark out the area</li> <li>- evaluate and report information</li> <li>- communicate</li> </ul> <ul style="list-style-type: none"> <li>• carrying out site measurements and evaluations relating to construction and allied activities for the following: <ul style="list-style-type: none"> <li>- measuring and checking dimensions</li> <li>- confirming structural backgrounds as complete and acceptable for work requirements</li> </ul> </li> </ul>	<p>how to meet the contract specification in relation to the following:</p> <ul style="list-style-type: none"> <li>• how to measure and check dimensions against site datum points and specifications</li> <li>• why it is important to confirm structural backgrounds as complete and acceptable to site specifications and drawings</li> <li>• why it is important to re-check measurements and dimensions and confirm work requirements</li> <li>• why it is important to report any findings to the appropriate person</li> <li>• how to use access equipment</li> </ul>	<p>how the resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> <li>• measuring tapes</li> <li>• levels</li> <li>• documentation</li> <li>• materials</li> <li>• components</li> <li>• temporary traffic management equipment</li> <li>• measuring and recording tools and equipment, including calibration equipment</li> </ul>		

<ul style="list-style-type: none"><li>- reporting results of findings to the appropriate person</li></ul>	<ul style="list-style-type: none"><li>• how to work at height</li><li>• the importance of edge protection, leading edge procedures, safety nets, crash decks and harnesses</li><li>• how to use measuring and recording tools and equipment</li><li>• why it is important to check the calibration on measuring equipment</li><li>• how to report defective equipment</li><li>• why it is important to maintain tools and equipment</li></ul>	<ul style="list-style-type: none"><li>• methods of calculating quantity, length, area and wastage associated with the method and procedure to carry out site measurements and evaluations</li></ul>
---	---	---

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
<b>Prepare surfaces for mastic asphalt</b>	<b>COSVR89</b>	<b>V1.1</b>	<b>03/02/23</b>	<b>Paul Lintott</b>
<b>Overview</b>				
<p>This standard is about preparing surfaces for mastic asphalt on new and/or refurbishment contracts</p> <p>Operatives working to this standard will be able to interpret information, adopt safe, healthy and environmentally responsible work practices, select and use materials, components, tools and equipment, in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements</p> <p>This standard is for people working in the occupational area of preparing backgrounds for mastic asphalt and can be used by operatives, supervisors and managers</p>				
<b>Performance criteria</b>	<b>Knowledge and understanding</b>	<b>Knowledge and understanding</b>		
<b>Meet the contract specification</b>	<b>P5 Meet the contract specification</b>	<b>P3 Selection of resources</b>		
<b>P5 EDIT</b>	<b>K8 EDIT</b>	<b>K16 EDIT</b>		
<p>comply with the contract information to prepare surfaces for mastic asphalt to the required specification by demonstrating work skills to:</p> <ul style="list-style-type: none"> <li>- measure and mark out bay sizes</li> <li>- clean and cut joints</li> <li>- position, fit and secure ancillary items</li> <li>- clean and dry substrates and surfaces</li> </ul> <ul style="list-style-type: none"> <li>• preparation of the following to receive mastic asphalt to working instructions: <ul style="list-style-type: none"> <li>- substrates</li> <li>- specified primers</li> </ul> </li> <li>• carrying out remedial work</li> </ul>	<p>how to meet the contract specification in relation to the following:</p> <ul style="list-style-type: none"> <li>• how to clean and dry surfaces</li> <li>• how to carry out remedial work to existing surfaces</li> <li>• how to apply primers</li> <li>• how to install air vapour control layers</li> <li>• how to install insulation materials</li> <li>• how to install vents, access hatches, smoke vents</li> <li>• how to install rooflights</li> <li>• why it is important to apply the specified primer</li> <li>• how to use hand tools and equipment</li> </ul>	<p>how the resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> <li>• insulation</li> <li>• primers</li> <li>• joint tapes</li> <li>• timber</li> <li>• substrates</li> <li>• hand tools and equipment</li> <li>• temporary traffic management equipment and systems</li> <li>• methods of calculating quantity, square meterage and percentage of possible wastage associated with the method and procedure to prepare surfaces for mastic asphalt</li> </ul>		

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
<b>Apply mastic asphalt</b>	<b>COSVR90</b>	<b>V1.1</b>	<b>03/02/23</b>	<b>Paul Lintott</b>
<b>Overview</b>				
<p>This standard is about applying mastic asphalt and related materials to new and/or refurbishment contracts</p> <p>Operatives working to this standard will be able to interpret information, adopt safe, healthy and environmentally responsible work practices, select and use materials, components, tools and equipment, in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements</p> <p>This standard is for people working in the occupational area of applying mastic asphalt and can be used by operatives, supervisors and managers</p>				
<b>Performance criteria</b> <b>Meet the contract specification</b>	<b>Knowledge and understanding</b> <b>P5 Meet the contract specification</b>	<b>Knowledge and understanding</b> <b>P3 Selection of resources</b>		
<b>P5 EDIT</b>	<b>K22 EDIT</b>	<b>K16 EDIT</b>		
<p>comply with the contract information to apply mastic asphalt and related materials to new and/or refurbishment contracts by:</p> <ul style="list-style-type: none"> <li>• demonstrating work skills to: <ul style="list-style-type: none"> <li>- prepare the area</li> <li>- cut materials to size</li> <li>- fit, apply and position where required</li> <li>- fit components</li> </ul> </li> <li>• apply mastic asphalt to given working instructions for the following: <ul style="list-style-type: none"> <li>- flat areas and surfaces with gradients</li> <li>- upstand details including outlets, pipes and down stands</li> <li>- specialist details including car park surfaces, expansion joint interfaces</li> </ul> </li> </ul>	<p>how to meet the contract specification in relation to the following:</p> <ul style="list-style-type: none"> <li>• how to apply mastic asphalt to flat areas and surfaces with gradients</li> <li>• how to apply related materials including, vapour control layers, isolating membranes, primers, solar reflective paints, felt flashings for seals, insulation and ballast</li> <li>• how to utilise mastic asphalt plant and equipment, mixers, cauldrons, hot charges, gas and gas torches</li> </ul>	<p>how the resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> <li>• mastic asphalt</li> <li>• bitumen</li> <li>• felts for temporary seals and flashings</li> <li>• solar protection</li> <li>• vapour control layers</li> <li>• expanded metal lath</li> <li>• edge trims</li> <li>• gas</li> <li>• lime dust</li> <li>• asphalt buckets</li> <li>• associated fixings and fittings</li> <li>• hand tools and associated equipment</li> </ul>		



<p>and mastic asphalt screeds (all types and thickness)</p> <ul style="list-style-type: none"> <li>- surface finishes including sand rubbed, crimped and solar reflective finishes</li> </ul>	<ul style="list-style-type: none"> <li>• how to form kerbs, edges, outlets, upstands, down stands, pipes, trims, openings, gutters and felt flashing</li> <li>• how to apply specialist details including mastic asphalt screeds, expansion joints and interfaces</li> <li>• how to use hand tools and equipment</li> <li>• how to use access equipment</li> </ul>	<ul style="list-style-type: none"> <li>• temporary traffic management equipment and systems</li> <li>• methods of calculating quantity, length, square meterage and possible percentage of wastage associated with the method and procedure to apply mastic asphalt and related materials to new and/or refurbishment contracts</li> </ul>
---	--	--

<b>NOS Title</b>	<b>NOS Reference</b>	<b>Grid version control</b>	<b>Edit date</b>	<b>Edits by</b>
<b>Repair and maintain mastic asphalt coverings</b>	<b>COSVR91</b>	<b>V1.1</b>	<b>03/02/23</b>	<b>Paul Lintott</b>
<b>Overview</b>				
<p>This standard is about identifying and repairing surface defects in mastic asphalt coverings</p> <p>Operatives working to this standard will be able to interpret information, adopt safe, healthy and environmentally responsible work practices, select and use materials, components, tools and equipment, in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements</p> <p>This standard is for people working in the occupational area of repairing and maintaining mastic asphalt coverings and can be used by operatives, supervisors and managers</p>				
<b>Performance criteria Meet the contract specification</b>	<b>Knowledge and understanding P5 Meet the contract specification</b>		<b>Knowledge and understanding P3 Selection of resources</b>	
<b>P5 EDIT</b>	<b>K8 EDIT</b>		<b>K16 EDIT</b>	
<p>comply with the contract information to identify and repair surface defects in mastic asphalt coverings to the required specification by demonstrating work skills to:</p> <ul style="list-style-type: none"> <li>- prepare area</li> <li>- cut materials to size</li> <li>- fit, apply and position materials where required</li> </ul> <ul style="list-style-type: none"> <li>• visually inspecting and surveying condition of mastic asphalt and repairing to working instructions for: <ul style="list-style-type: none"> <li>- cracks, splits and blisters</li> </ul> </li> </ul>	<p>how to meet the contract specification in relation to the following:</p> <ul style="list-style-type: none"> <li>• how to identify and evaluate defects in mastic asphalt including mechanical and chemical damage</li> <li>• how to carry out general maintenance requirements including cutting out damaged areas (cracks, splits and blisters) and repairing with new hot mastic asphalt</li> <li>• how to utilise mastic asphalt plant and equipment including mixers, cauldrons, hot charges and gas torches</li> <li>• why it is important to use gas in accordance with the manufacturer's instructions and official guidance</li> <li>• how to use hand tools and equipment</li> <li>• how to use access equipment</li> </ul>		<p>how the resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> <li>• mastic asphalt</li> <li>• bitumen</li> <li>• felts</li> <li>• solar protection</li> <li>• vapour control layers</li> <li>• expanded metal lath</li> <li>• flashings</li> <li>• edge trims</li> <li>• gas</li> <li>• lime dust</li> <li>• asphalt buckets</li> <li>• associated fixings and fittings</li> </ul>	

<ul style="list-style-type: none"><li>- removal of debris and freeing blockages to gutters and outlets</li></ul>		<ul style="list-style-type: none"><li>• hand tools and equipment</li><li>• methods of calculating quantity, length, square meterage and possible percentage of wastage associated with the method and procedure to identify and repair surface defects in mastic asphalt coverings</li></ul>
--	--	--

<b>NOS Title</b>	<b>NOS Reference</b>	<b>Grid version control</b>	<b>Edit date</b>	<b>Edits by</b>
<b>Apply mastic asphalt to special features</b>	<b>COSVR92</b>	<b>V1.1</b>	<b>03/02/23</b>	<b>Paul Lintott</b>
<b>Overview</b>				
<p>This standard is about applying mastic asphalt to special and non-standard features</p> <p>Operatives working to this standard will be able to interpret information, adopt safe, healthy and environmentally responsible work practices, select and use materials, components, tools and equipment, in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements</p> <p>This standard is for people working in the occupational area of applying mastic asphalt to special features and can be used by operatives, supervisors and managers</p>				
<b>Performance criteria Meet the contract specification</b>	<b>Knowledge and understanding P5 Meet the contract specification</b>	<b>Knowledge and understanding P3 Selection of resources</b>		
<b>P5 EDIT</b>	<b>K8 EDIT</b>	<b>K16 EDIT</b>		
<p>comply with the contract information to apply mastic asphalt to special features to the required specification by demonstrating work skills to:</p> <ul style="list-style-type: none"> <li>- prepare area</li> <li>- cut materials to size</li> <li>- fit, lay and position materials where required</li> </ul> <ul style="list-style-type: none"> <li>• applying mastic asphalt to given working instructions for <ul style="list-style-type: none"> <li>- sumps</li> <li>- tanking</li> <li>- curved or overhead surfaces</li> <li>- flat, inclined and vertical surfaces</li> <li>- decorative surface finishes</li> </ul> </li> </ul>	<p>how to meet the contract specification in relation to the following:</p> <ul style="list-style-type: none"> <li>• how to seal sumps</li> <li>• how to apply asphalt tanking</li> <li>• why it is important to apply three coats for tanking</li> <li>• how to apply mastic asphalt to curved and overhead surfaces</li> <li>• how to apply mastic asphalt to flat, inclined and vertical surfaces</li> <li>• how to form decorative surface finishes to mastic asphalt</li> <li>• how to utilise mastic asphalt plant and equipment including mixers,</li> </ul>	<p>how the resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> <li>• mastic asphalt</li> <li>• coloured inserts</li> <li>• bitumen</li> <li>• felts</li> <li>• sumps</li> <li>• solar protection</li> <li>• vapour control layers</li> <li>• expanded metal lath</li> <li>• flashings</li> <li>• edge trims</li> <li>• gas</li> <li>• lime dust</li> <li>• asphalt buckets</li> </ul>		

	<p>cauldrons, hot charges and gas torches</p> <ul style="list-style-type: none"><li>• why it is important to use gas in accordance with manufacturer's instructions and official guidance</li><li>• how to form details, including, kerbs, edges, outlets, upstands, down stands, pipes, trims, openings, gutters, felt flashings</li><li>• how to form specialist details including mastic asphalt screeds and expansion joint interfaces</li><li>• how to use hand tools and equipment</li><li>• how to use access equipment</li></ul>	<ul style="list-style-type: none"><li>• associated fixings and fittings</li><li>• hand tools and equipment</li> <li>• methods of calculating quantity, length, square meterage and possible percentage of wastage associated with the method and procedure to apply mastic asphalt to special features</li></ul>
--	--	--

<b>NOS Title</b>	<b>NOS Reference</b>	<b>Grid version control</b>	<b>Edit date</b>	<b>Edits by</b>
<b>Install decking for flat roof coverings</b>	<b>COSVR93</b>	<b>V1.1</b>	<b>03/02/23</b>	<b>Paul Lintott</b>
<b>Overview</b>				
<p>This standard is about installing flat roof decks for new and/or re-roofing work</p> <p>Operatives working to this standard will be able to interpret information, adopt safe, healthy and environmentally responsible work practices, select and use materials, components, tools and equipment, in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements</p> <p>This standard is for people working in the occupational area of installing decking for flat roof coverings and can be used by operatives, supervisors and managers</p>				
<b>Performance criteria Meet the contract specification</b>	<b>Knowledge and understanding P5 Meet the contract specification</b>	<b>Knowledge and understanding P3 Selection of resources</b>		
<b>P5 EDIT</b>	<b>K22 EDIT</b>	<b>K16 EDIT</b>		
<p>comply with the contract information to install decking for flat roof coverings to the required specification by demonstrating work skills to:</p> <ul style="list-style-type: none"> <li>- prepare the area</li> <li>- cut materials to size</li> <li>- fit, lay and position materials where required</li> </ul> <ul style="list-style-type: none"> <li>• installing boarded timber roof decks or boarded single-skin metal decking to working instructions for the following: <ul style="list-style-type: none"> <li>- forming perimeter upstand details including metal, timber, cementitious and particle boards</li> <li>- creating falls as per the specification</li> </ul> </li> </ul>	<p>how to meet the contract specification in relation to the following:</p> <ul style="list-style-type: none"> <li>• how to install decking material</li> <li>• how to install metal and timber decking substrate</li> <li>• how to create falls including checking plans and surveys to ensure the purlins and joists are set to the correct gradients</li> <li>• how to form outlets, openings and penetrations including checking named items are marked and set to correct datum points before fixing in place</li> <li>• how to form metal, timber and cementitious perimeter upstand details</li> <li>• why it is important to ensure deck is secure and fit for purpose to accept the</li> </ul>	<p>how the resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> <li>• particle boards</li> <li>• plywood</li> <li>• timber</li> <li>• single-skin metal sheeting</li> <li>• fixings and associated components</li> <li>• hand and power tools and equipment</li> </ul> <ul style="list-style-type: none"> <li>• methods of calculating quantity, length, area and wastage associated with the method and procedure to install decking for flat roof coverings</li> </ul>		

<ul style="list-style-type: none"><li>- forming outlets, openings and penetrations, checking datum points before fixing in place</li></ul>	<p>weight of the mastic asphalt system being applied</p> <ul style="list-style-type: none"><li>• how to use hand tools, power tools and equipment</li><li>• how to work at height using access</li><li>• and safety protection equipment the importance of edge protection, leading edge procedures, safety nets, crash decks and harnesses</li></ul>	
--	---	--