

COSVR51

Construct prefabricated block chimneys



Overview

This standard is about

- 1—interpreting information
- 2—adopting safe and healthy working practices
- 3—selecting materials, components and equipment
- 4—preparing and installing prefabricated block chimneys

CONSTRUCT PREFABRICATED BLOCK CHIMNEYS

This standard is about constructing prefabricated block chimneys, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, in accordance with organisational procedures which are equal to or exceed current statutory and legislative requirements

This standard is for people working in the occupational area of suite title/occupational grouping and can be used by installers **operatives**, supervisors and managers

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Interpretation of information	
Performance criteria <i>You must be able to:</i>	P1 interpret the information relating to the work and resources to confirm its relevance for the following: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN Standards • specifications • drawings • manufacturers' information • schedules • pre-installation surveys • risk assessments • method statements
Safe work practices	
	P2 comply with the given relevant legislation, official guidance and/or organisational procedures/requirements, to carry out your work and maintain safe, healthy and environmentally responsible work practices relating to the following: <ul style="list-style-type: none"> • methods of work • safe use of personal protective equipment (PPE) health and safety control equipment relevant to the task being undertaken and the working environment • safe use of access equipment and working platforms • safe use, storage and handling of materials, tools and equipment • specific risks to health including mental health • specific risks associated with asbestos containing materials • specific risks associated with silica dust and mortars/sealants
Selection of resources	
	P3 select the required quantity and quality of resources for the methods of work <ul style="list-style-type: none"> • materials, components and fixings • tools and equipment • access equipment
Minimise the risk of damage	
	P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area by: <ul style="list-style-type: none"> • protecting the work and its surrounding area from damage • minimise damage maintaining a safe, clear and tidy and maintain a clean work area space • disposing of waste in accordance with current legislation and industry best practice

Commented [PL1]: To be re-ordered 081221

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Commented [PL3]: Added 081221 cascade

Commented [PL4]: Cascade throughout?

Commented [PL5]: Retain 'organisational'

Commented [PL6]: Addition 14/12/21

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Construct prefabricated block chimneys



Meet the contract specification	
P5	comply with the given contract information to carry out the work efficiently to the required specification by the following: <ul style="list-style-type: none">• demonstrating work skills to measure, mark out, cut out, fit, finish, position, secure• using and maintaining all hand and portable power tools and ancillary equipment• installing the following to working instructions<ul style="list-style-type: none">- prefabricated block chimneys- permanent and temporary chimney support• inspecting and testing following the installation
Performance criteria <i>You must be able to:</i>	Allocated time P6 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

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P1 Interpretation of information		
Knowledge and understanding <i>You need to know and understand:</i>	K1	why organisational procedures have been developed, to report and rectify inappropriate information and unsuitable resources, and how they organisational procedures are implemented
	K2	The types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information • schedules • pre-installation surveys • risk assessments • method statements
	K3	the range of relevant digital services, tools and systems, and how they are used
	K4	the importance of organisational procedures to record, report and/or solve problems with the information, and why it is important they are to followed them
P2 Safe work practices		
	K5	the level of understanding operatives must have of information for current legislation and official guidance and how it is applied
	K6	the types of fire extinguishers and how and when they are used in relation to water, CO₂, foam, powder
	K7	how emergencies should be responded to and who should respond in accordance with organisational authorisation and personal skills in relation to when involved with : <ul style="list-style-type: none"> • fires, spillages, injuries • emergencies relating to occupational activities • identification of and reporting of asbestos containing materials
	K8	the organisational security procedures for tools, equipment and personal belongings in relation to: <ul style="list-style-type: none"> • operative • site • workplace • vehicles

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Commented [PL9]: Should be cascaded to all lining systems 081221

Commented [PL10]: Added to cover usage of emerging digital technology, cascade throughout

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Construct prefabricated block chimneys



		<ul style="list-style-type: none">• company• customer• the general public• other occupations within the workplace
Knowledge and understanding <i>You need to know and understand:</i>	K9	how to report risks and hazards identified by the following: <ul style="list-style-type: none">• methods of work• risk assessment• personal assessment• manufacturers' technical information• statutory regulations• official guidance• Control of Substances Hazardous to Health (COSHH)
	K10	what the accident reporting procedures and who is responsible for making the report
	K11	why, when and how personal protective equipment (PPE) health and safety control equipment identified by the principles of prevention should be used in relation to occupational use, types, purpose of each type and work situations : <ul style="list-style-type: none">• collective protective measures• personal protective equipment (PPE)• respiratory protective equipment (RPE)• local exhaust ventilation (LEV)
	K12	how to comply with environmentally responsible work practices to meet current legislation and official guidance when dealing with this relates to the operative's responsibilities regarding potential accidents, health hazards and the environment in relation to: <ul style="list-style-type: none">• working in the workplace• working below ground level• confined spaces• working at height• tools and equipment• materials and substances• moving and storing materials by manual handling and mechanical lifting

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P3 Selection of resources		
Knowledge and understanding <i>You need to know and understand:</i>	K13	why the characteristics, quality, uses, sustainability, limitations and defects associated with the resources are important and how defects should be reported and rectified
	K14	the organisational procedures to select resources, why they have been developed and how they are used
	K15	how to confirm the resources and materials conform with the specification
	K16	how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none">• blocks• throatings• exit blocks• lintels• fire cement• cement• sand• lime• additives• fixings• fittings• silicone and other sealant• adhesives• tools• equipment
	K17	how to identify the hazards associated with the resources and methods of work and how they are overcome
	K18	how to methods of calculating the quantity, length and wastage associated with the method and procedure to
P4 Minimise the risk of damage		
	K19	how to protect work and its surrounding area from damage and the purpose of protection from general workplace activities, other occupations and adverse weather conditions and how to minimise damage to existing building fabric
	K20	why and how the disposal of waste should must be carried out safely in and how it is achieved accordance with the following <ul style="list-style-type: none">• environmental responsibilities• organisational procedures• manufacturers' information• statutory regulations• official guidance

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Construct prefabricated block chimneys



	K21	why it is important to minimise damage maintain a safe, clean clear and tidy work area space
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Knowledge and understanding <i>You need to know and understand:</i>	P5 Meet the contract specification	
	K22	how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmentally responsible work practices, procedures and skills relating to the method and area of work and materials used to <ul style="list-style-type: none"> • how to install prefabricated block chimneys for all types of energy flue systems, excluding condensing appliances • how and why it is important to provide permanent and temporary support • how to form teething provide suitable connection to existing structures • how to work with, around and in close proximity to plant and machinery • how to identify and follow the installation quality requirements • how to use all hand and power tools and equipment • how to work at height using access equipment • how and why operative care and maintenance of all hand and power tools and ancillary associated equipment is carried out
	K23	the importance of team-work and communication, organisational procedures with respect to site behaviours, and how to respond to inappropriate site behaviours
	K24	the needs of other occupations associated with constructing prefabricated block chimneys
	P6 Allocated time	
	K25	what the programme of is for the work to be carried out including the estimated and allocated time and why deadlines should be kept
	K26	the types of progress charts, timetables and estimated times and the organisational procedures for reporting circumstances which will affect the work programme

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Construct prefabricated block chimneys



Developed by	CITB
Version number	4-2
Date approved	
Indicative review date	
Validity	Current
Status	Original
Originating organisation	CITB
Original URN	COSVR51
Relevant occupations	Construction and Building Trades
Suite	Chimney Occupations Engineering (Construction)
Key words	Chimneys; Flue-systems; Exit-blocks; Toothings; Fire-cement; Lintels

COSVR52

Line chimney structures with cast material



LINE CHIMNEY STRUCTURES WITH CAST MATERIALS

Overview

This standard is about ~~cleaning and~~ preparing chimneys, lining chimney structures with cast material, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements

This standard is for people working in the occupational area of chimney occupations and can be used by installers ~~operatives~~, supervisors and managers

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Line chimney structures with cast material



Interpretation of information	
Performance criteria <i>You must be able to:</i>	P1 interpret the information relating to the work and resources to confirm its relevance for the following: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information • schedules • pre-installation surveys • risk assessments • method statements
	Safe work practices
	P2 comply with the given relevant legislation, and official guidance and organisational procedures requirements to carry out your work and maintain safe, healthy and environmentally responsible work practices relating to the following: <ul style="list-style-type: none"> • methods of work • safe use of personal protective equipment (PPE) health and safety control equipment relevant to the task being undertaken and the working environment • safe use of access equipment and working platforms • safe use, storage and handling of materials, tools and equipment • specific risks to health including mental health • specific risks associated with asbestos containing materials • specific risks associated with silica dust, mortars and sealants
	Selection of resources
	P3 select the required quantity and quality of resources for the methods of work <ul style="list-style-type: none"> • materials, components and fixings • tools and equipment • access equipment
	Minimise the risk of damage
	P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area by: <ul style="list-style-type: none"> • protecting the work and its surrounding area from damage • minimise damage maintaining a safe, clear and tidy and maintain a clean work area space • disposing of waste in accordance with current legislation and industry best practice
	Meet the contract specification

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COSVR52**Line chimney structures with cast material**

	P5	<p>comply with the given contract information to carry out the work efficiently to the required specification by the following:</p> <ul style="list-style-type: none"> • demonstrating demonstration of work skills to inspect, remove, measure, mark out, scrape, cut, mix, clean, apply, finish • using and maintaining hand and portable power tools and ancillary equipment • inspect and installing cast in-situ chimney linings (including preparing chimneys) to given working instructions
	Allocated time	
Performance criteria <i>You must be able to:</i>	P6	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

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Line chimney structures with cast material



P1 Interpretation of information		
Knowledge and understanding <i>You need to know and understand:</i>	K1	why organisational procedures have been developed, to report and rectify inappropriate information and unsuitable resources, and how they are organisational procedures are implemented
	K2	types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none">• current legislation and regulations governing buildings and the environment• BS EN standards• specifications• drawings• manufacturers' information• schedules• pre-installation surveys• risk assessments• method statements
	K3	the range of relevant digital services, tools and systems, and how they are used
	K4	the importance of organisational procedures to report and resolve problems with the information, and why it is important they are to followed them
P2 Safe work practices		
	K5	the level of understanding operatives must have of information for current legislation and official guidance and how it is applied
	K6	the types of fire extinguishers and how and when they are used in relation to water, CO₂, foam, powder
	K7	how emergencies should be responded to and who should respond in accordance with organisational authorisation and personal skills in relation to when involved with : <ul style="list-style-type: none">• fires, spillages, injuries• emergencies relating to occupational activities• identification of and reporting of asbestos containing materials
	K8	the organisational security procedures for tools, equipment and personal belongings in relation to: <ul style="list-style-type: none">• operative• site• workplace• vehicles

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Line chimney structures with cast material



		<ul style="list-style-type: none"> • company • customer • the general public • other occupations within the workplace
<p>Knowledge and understanding</p> <p><i>You need to know and understand:</i></p>	K9	<p>how to report risks and hazards identified by the following:</p> <ul style="list-style-type: none"> • methods of work • risk assessment • personal assessment • manufacturers' technical information • statutory regulations • official guidance • Control of Substances Hazardous to Health (COSHH)
	K10	<p>what the accident reporting procedures and who is responsible for making the report</p>
	K11	<p>why, when and how Personal protective equipment (PPE) health and safety control equipment identified by occupational use, types, purpose of each type and work situations the principles of prevention should be used in relation to:</p> <ul style="list-style-type: none"> • collective protective measures • personal protective equipment (PPE) • respiratory protective equipment (RPE) • local exhaust ventilation (LEV)
	K12	<p>how to comply with environmentally responsible work practices to meet current legislation and official guidance when dealing with this relates to the operative's responsibilities regarding potential accidents, health hazards and the environment in relation to:</p> <ul style="list-style-type: none"> • working in the workplace • working below ground level • confined spaces • working at height • tools and equipment • materials and substances • moving and storing materials by manual handling and mechanical lifting

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Line chimney structures with cast material



P3 Selection of resources		
Knowledge and understanding <i>You need to know and understand:</i>	K13	why the characteristics, quality, uses, sustainability, limitations and defects associated with the resources are important and how defects should be rectified
	K14	the organisational procedures to select resources, why they have been developed and how they are used
	K15	how to confirm the resources and materials conform with the specification
	K16	how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none"> • lining components • fast setting compounds • mortars • cements • void formers • fixings • fittings • pumping equipment • tools • equipment
	K17	how to identify the hazards associated with the resources and methods of work and how they are overcome
I think this is covered in K15	K18	how to methods of calculate ing the quantity, length and wastage associated with the method and procedure to
P4 Minimise the risk of damage		
	K19	how to protect work and its surrounding area from damage and the purpose of protection from general workplace activities, other occupations and adverse weather conditions and how to minimise damage to existing building fabric
	K20	why and how the disposal of waste should must be carried out safely in and how it is achieved accordance with the following <ul style="list-style-type: none"> • environmental responsibilities • organisational procedures • manufacturers' information • statutory regulations • official guidance
	K21	why it is important to minimise damage maintain a safe, clean clear and tidy work area space

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Line chimney structures with cast material



Knowledge and understanding <i>You need to know and understand:</i>	P5 Meet the contract specification	
	K22	how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills relating to the method and area of work and materials used to in relation to the following: <ul style="list-style-type: none">• how to inspect, prepare and repair chimney structures by cleaning and repairing• how to install cast in-situ linings• how to or and why it is important to provide permanent and temporary support• why it is important to provide permanent and temporary support• the relevance of an assessment of significance and how to recognise, specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance• how to work with, around and in close proximity to plant and machinery• how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe and environmentally responsible working environment• how to identify and follow the installation quality requirements• how to use all hand and portable power tools and equipment, including pumping equipment• how to work at height using access equipment• how and why operative care and maintenance of all work hand and/or portable power tools and ancillary/associated equipment is carried out
	K23	the importance of team-work and communication, organisational procedures with respect to site behaviours, and how to respond to inappropriate site behaviours
	K24	the needs of other occupations associated with lining chimney structures with cast material
	P6 Allocated time	
	K25	what the programme of is for the work to be carried out including the estimated and allocated time and why deadlines should be kept
	K26	the types of progress charts, timetables and estimated times and the organisational procedures for reporting circumstances which will affect the work programme

Commented [PL5]: Added 081221

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Commented [PL7]: Cascade to VR51 and others as required 081221

Commented [PL8]: Revised 081221

COSVR52
Line chimney structures with cast material



Developed by	CITB
Version number	4 2
Date approved	This will be estimated
Indicative review date	Five years from the approval date
Validity	Current
Status	Original
Originating organisation	CITB
Original URN	COSVR52
Relevant occupations	Construction and Building Trades
Suite	Chimney Engineering Occupations (Construction)
Key words	Chimney; In-situ linings; Lining components; Fast-setting compounds; Pumping equipment

COSVR53
Erect Metal Chimneys



ERECT METAL CHIMNEYS

Overview

This standard is about inspecting, preparing and erecting mechanically joined and/or welded metal chimney structures, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, **in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements**

This standard is for people working in the occupational area of chimney occupations and can be used by **installers operatives**, supervisors and managers

**COSVR53
Erect Metal Chimneys**



Interpretation of information	
Performance criteria <i>You must be able to:</i>	P1 interpret the information relating to the work and resources to confirm its relevance for the following: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information, including selecting the correct flue designation for the job • schedules • pre-installation surveys • risk assessments • method statements
	Safe work practices
	P2 comply with the given relevant legislation, and official guidance and organisational procedures to carry out your work and maintain safe, healthy and environmentally responsible work practices relating to the following: <ul style="list-style-type: none"> • methods of work • safe use of personal protective equipment (PPE) health and safety control equipment relevant to the task being undertaken and the working environment • safe use of access equipment and working platforms • safe use, storage and handling of materials, tools and equipment • specific risks to health including mental health • specific risks associated with asbestos containing materials • specific risks associated with silica dust and mortars/sealants
Selection of resources	
	P3 select the required quantity and quality of resources for the methods of work <ul style="list-style-type: none"> • materials, components, fixings, anchors and ties • tools and equipment • access equipment

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**COSVR53
Erect Metal Chimneys**



	Minimise the risk of damage	
	P4	<p>comply with organisational procedures to minimise the risk of damage to the work and surrounding area by:</p> <ul style="list-style-type: none"> protecting the work and its surrounding area from damage minimise damage maintaining a safe, clear and tidy and maintain a clean work area space disposing of waste in accordance with current legislation and industry best practice
	Meet the contract specification	
	P5	<p>comply with the given contract information to carry out the work efficiently to the required specification by the following:</p> <ul style="list-style-type: none"> demonstrating work skills to measure, mark out, fit, finish, position and secure using and maintaining hand and portable power tools and ancillary equipment erect metal chimney structures, mechanically joined and/or welded, to given working and manufacturers' instructions
	Allocated time	
Performance criteria <i>You must be able to:</i>	P6	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

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**COSVR53
Erect Metal Chimneys**



P1 Interpretation of information		
Knowledge and understanding <i>You need to know and understand:</i>	K1	why organisational procedures have been developed, to report and rectify inappropriate information and unsuitable resources, and how they are organisational procedures are implemented
	K2	types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> • current legislation and regulations and official guidance governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information, including selecting the correct flue designation for the job • schedules • pre-installation surveys • risk assessments • method statements
	K3	the range of relevant digital services, tools and systems, and how they are used
	K4	the importance of organisational procedures to report and resolve problems with the information, and why it is important they are to followed them
	P2 Safe work practices	
K5	the level of understanding operatives must have of information for current legislation and official guidance and how it is applied	
K6	the types of fire extinguishers and how and when they are used in relation to water, CO₂, foam, powder	
K7	how emergencies should be responded to and who should respond in accordance with organisational authorisation and personal skills in relation to when involved with : <ul style="list-style-type: none"> • fires, spillages, injuries • emergencies relating to occupational activities • identification of and reporting of asbestos containing materials 	
K8	the organisational security procedures for tools, equipment and personal belongings in relation to: <ul style="list-style-type: none"> • operative • site 	

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**COSVR53
Erect Metal Chimneys**



		<ul style="list-style-type: none"> • workplace • vehicles • company • customer • the general public • other occupations within the workplace
Knowledge and understanding <i>You need to know and understand:</i>	K9	how to report risks and hazards identified by the following: <ul style="list-style-type: none"> • methods of work • risk assessment • personal assessment • manufacturers' technical information • statutory regulations • official guidance • Control of Substances Hazardous to Health (COSHH)
	K10	what the accident reporting procedures and who is responsible for making the report
	K11	why, when and how Personal protective equipment (PPE) health and safety control equipment identified by occupational use, types, purpose of each type and work situations the principles of prevention should be used in relation to: <ul style="list-style-type: none"> • collective protective measures • personal protective equipment (PPE) • respiratory protective equipment (RPE) • local exhaust ventilation (LEV)
	K12	how to comply with environmentally responsible work practices to meet current legislation and official guidance when dealing with this relates to the operative's responsibilities regarding potential accidents, health hazards and the environment in relation to: <ul style="list-style-type: none"> • working in the workplace • working below ground level • confined spaces • working at height • tools and equipment • materials and substances • moving and storing materials by manual handling and mechanical lifting

**COSVR53
Erect Metal Chimneys**



P3 Selection of resources	
Knowledge and understanding <i>You need to know and understand:</i>	K13 why the characteristics, quality, uses, sustainability, limitations and defects associated with the resources are important and how defects should be rectified
	K14 the organisational procedures to select resources, why they have been developed and how they are used
	K15 how to confirm the resources and materials conform with the specification
	K16 how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none"> • metal chimney components • jointing materials • sealants • fixings • anchors • ties • fittings • hand tools • equipment
	K17 how to identify the hazards associated with the resources and methods of work and how they are overcome
I think this is covered by K15	K18 how to methods of calculating the quantity, length and wastage associated with the method and procedure to
P4 Minimise the risk of damage	
	K19 how to protect work and its surrounding area from damage and the purpose of protection from general workplace activities, other occupations and adverse weather conditions and how to minimise damage to existing building fabric
	K20 why and how the disposal of waste should must be carried out safely in and how it is achieved accordance with the following <ul style="list-style-type: none"> • environmental responsibilities • organisational procedures • manufacturers' information • statutory regulations • official guidance
	K21 why it is important to minimise damage maintain a safe, clean clear and tidy work area space

**COSVR53
Erect Metal Chimneys**



Knowledge and understanding	P5 Meet the contract specification	
<i>You need to know and understand:</i>	K22	<p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmentally responsible work practices, procedures and skills relating to the method and area of work in relation to the following: and materials used to</p> <ul style="list-style-type: none"> • how to erect and dismantle metal chimney structures mechanically joined and/or welded • how to provide temporary and permanent support • why it is important to provide temporary and permanent support • how to use industry standard software for flue design • the importance of designated flue classification systems • the importance of how the flue passes through floors, internal and external walls • the importance of maintaining a distance between boxing in, cages • how to carry out remedial preparation and making good to the building structure • how to install and test anchors and ties • how to work with lifting equipment and accessories • the relevance of an assessment of significance and how to recognise, specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance • how to work with, around and in close proximity to plant and machinery • how to identify and follow the installation quality requirements • how to use all hand work portable power tools and equipment • how to work at height using access equipment • how and why operative care and maintenance of all hand and power tools and equipment is carried out
	K23	<p>the importance of team-work and communication, organisational procedures with respect to site behaviours, and how to report to inappropriate site behaviours</p>
	K24	<p>the needs of other occupations associated with erecting metal chimneys</p>

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	P6 Allocated time
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**COSVR53
Erect Metal Chimneys**



	K25	what the programme of is for the work to be carried out including the estimated and allocated time and why deadlines should be kept
	K26	the types of progress charts, timetables and estimated times and the organisational procedures for reporting circumstances which will affect the work programme

COSVR53
Erect Metal Chimneys



Developed by	CITB
Version number	2 -3
Date approved	This will be estimated
Indicative review date	Five years from the approval date
Validity	Current
Status	Original
Originating organisation	CITB
Original URN	COSVR53
Relevant occupations	Construction and Building Trades
Suite	Chimney Engineering Occupations (Construction); Accessing Operations and Rigging (Construction)
Key words	Chimneys; Mechanically-joined; Welded-joint; Metal-flues

COSVR54

Line chimney structures and flues



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing and installing prefabricated block chimneys

(FLEXI) LINE CHIMNEY STRUCTURES AND FLUES

This standard is about cleaning and preparing chimney structures, installing flexible metallic lining systems, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, **in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements**

This standard is for people working in the occupational area of Chimney Occupations and can be used by **installers operatives**, supervisors, and managers

COSVR54
Line chimney structures and flues



Interpretation of information	
Performance criteria <i>You must be able to:</i>	P1 interpret the information relating to the work and resources to confirm its relevance for the following: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information • schedules • pre-installation surveys • risk assessments • method statements
	Safe work practices
	P2 comply with the given relevant legislation, and official guidance and organisational procedures to carry out your work and maintain safe, and healthy and environmentally responsible work practices relating to the following: <ul style="list-style-type: none"> • methods of work • safe use of personal protective equipment (PPE) health and safety control equipment relevant to the task being undertaken and the working environment • safe use of access equipment and working platforms • safe use, storage and handling of materials, tools and equipment • specific risks to health including mental health • specific risks associated with asbestos containing materials • specific risks associated with silica dust, mortars and sealants
	Selection of resources
	P3 select the required quantity and quality of resources for the methods of work <ul style="list-style-type: none"> • materials, components and fixings • tools and equipment • access equipment
	Minimise the risk of damage
	P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area by: <ul style="list-style-type: none"> • protecting the work and its surrounding area from damage • minimise damage maintaining a safe, clear and tidy and maintain a clean work area space disposing of waste in accordance with current legislation and industry best practice

Commented [PL1]: Cascade other revision re principles and reorder

Commented [PL2]: Should be cascaded to all lining systems 081221

Commented [PL3]: Added 081221 cascade

Commented [PL4]: Addition 14/12/21

COSVR54
Line chimney structures and flues



	Meet the contract specification	
	P5	<p>comply with the given contract information to carry out the work efficiently to the required specification by the following:</p> <ul style="list-style-type: none"> • demonstrating work skills to remove, measure, sweep, cut, mix, position, secure and finish • using and maintaining hand and power tools and ancillary equipment • inspecting, preparing, installing flexible metallic chimney liners (including preparing and repairing chimneys) to given working instructions • assessing suitability and identifying remedial repairs
	Allocated time	
Performance criteria <i>You must be able to:</i>	P6	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

Commented [PL5]: Added 13/01/22

COSVR54
Line chimney structures and flues



P1 Interpretation of information		
Knowledge and understanding <i>You need to know and understand:</i>	K1	why organisational procedures have been developed, to report and rectify inappropriate information and unsuitable resources, and how they are organisational procedures are implemented
	K2	types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information • schedules • pre-installation surveys • risk assessments • method statements
	K3	the range of relevant digital services, tools and systems, and how they are used
	K4	the importance of organisational procedures to report and resolve problems with the information, and why it is important they are to follow ed them
P2 Safe work practices		
	K5	the level of understanding operatives must have of information for current legislation and official guidance and how it is applied
	K6	the types of fire extinguishers and how and when they are used in relation to water, CO₂, foam, powder
	K7	how emergencies should be responded to and who should respond in accordance with organisational authorisation and personal skills in relation to when involved with : <ul style="list-style-type: none"> • fires, spillages, injuries • emergencies relating to occupational activities • identification of and reporting of asbestos containing materials
	K8	the organisational security procedures for tools, equipment and personal belongings in relation to: <ul style="list-style-type: none"> • operative • site • workplace • vehicles

Commented [PL6]: Cascade additions of P1

Commented [PL7]: Should be cascaded to all lining systems 081221

COSVR54
Line chimney structures and flues



		<ul style="list-style-type: none"> • company • access equipment • plant equipment • customer • the general public • other occupations within the workplace
Knowledge and understanding <i>You need to know and understand:</i>	K9	how to report risks and hazards identified by the following: <ul style="list-style-type: none"> • methods of work • risk assessment • personal assessment • manufacturers' technical information • statutory regulations • official guidance • Control of Substances Hazardous to Health (COSHH)
	K10	what the accident reporting procedures and who is responsible for making the report
	K11	why, when and how Personal protective equipment (PPE) health and safety control equipment identified by occupational use, types, purpose of each type and work situations the principles of prevention should be used in relation to: <ul style="list-style-type: none"> • collective protective measures • personal protective equipment (PPE) • respiratory protective equipment (RPE) • local exhaust ventilation (LEV)
	K12	how to comply with environmentally responsible work practices to meet current legislation and official guidance when dealing with this relates to the operative's responsibilities regarding potential accidents, health hazards and the environment in relation to: <ul style="list-style-type: none"> • working in the workplace • working below ground level • confined spaces • working at height • tools and equipment • materials and substances • moving and storing materials by manual handling and mechanical lifting

Commented [PL8]: Added 13/01/22

COSVR54
Line chimney structures and flues



P3 Selection of resources		
Knowledge and understanding <i>You need to know and understand:</i>	K13	why the characteristics, quality, uses, sustainability, limitations and defects associated with the resources are important and how defects should be rectified
	K14	the organisational procedures to select resources, why they have been developed and how they are used
	K15	how to confirm the resources and materials conform with the specification
	K16	how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none"> • flexible metallic liners • backfill • insulation materials • sands, mortars, cements and compounds • fixings and fittings • hand and powered tools and equipment
	K17	how to identify the suitability and hazards associated with the resources and methods of work and how they are overcome
I think this is covered by K15	K18	how to methods of calculating the quantity length and wastage associated with the method and procedure
P4 Minimise the risk of damage		
	K19	how to protect work and its surrounding area from damage and the purpose of protection from general workplace activities, other occupations and adverse weather conditions and how to minimise damage to existing building fabric
	K20	why and how the disposal of waste should must be carried out safely in and how it is achieved accordance with the following <ul style="list-style-type: none"> • environmental responsibilities • organisational procedures • manufacturers' information • statutory regulations • official guidance
	K21	why it is important to minimise damage maintain a safe, clean clear and tidy work area space

COSVR54
Line chimney structures and flues



Knowledge and understanding <i>You need to know and understand:</i>	P5 Meet the contract specification	
	K22	<p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmentally responsible work practices, procedures and skills relating to the method and area of work in relation to: and materials used to</p> <ul style="list-style-type: none"> • how and why it is important to inspect and prepare chimney structures by cleaning and repairing and identify remedial work • how to install flexible metallic liners for designated all fuel types energy flue systems • how to provide permanent and temporary support • why it is important to provide permanent and temporary support • how to reinstate brickwork, blockwork and surface finishes • how to remove and replace chimney pots • the relevance of an assessment of significance and how to recognise, specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance • how to work safely with, around and in close proximity to plant and machinery • how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe and environmentally responsible working environment • how to identify and follow the installation quality requirements • how to use all hand and power tools and equipment • how to work at height using access equipment • how and why operative care and maintenance of all hand and power tools and equipment is carried out
	K23	the importance of team-work and communication, organisational procedures with respect to site behaviours , and how to report inappropriate site behaviours
	K24	the needs of other occupations associated with lining chimney structures and flues
	P6 Allocated time	
	K25	what the programme of is for the work to be carried out including the estimated and allocated time and why deadlines should be kept
	K26	the types of progress charts, timetables and estimated times and the organisational procedures for reporting circumstances which will affect the work programme

Commented [PL9]: Added 13/01/22

Commented [PL10]: Added 13/01/22

Commented [PL11]: Revised 13/01/22

Commented [PL12]: Revised 08/12/21

Commented [PL13]: Combine

Commented [PL14]: Removed 13/01/22

Commented [PL15]: Removed 13/01/22

COSVR54
Line chimney structures and flues



Developed by	CITB
Version number	4.2
Date approved	This will be estimated
Indicative review date	Five years from the approval date
Validity	Current
Status	Original
Originating organisation	CITB
Original URN	COSVR54
Relevant occupations	Construction and Building Trades
Suite	Chimney Occupations Engineering (Construction)
Key words	Chimneys; Flues; Metallic-lining; Flue-systems; Chimney-pots

COSVR55
Apply sealant to chimney structures



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APPLY SEALANT TO CHIMNEY STRUCTURES

Overview

This standard is about

- 1 ~~interpreting information~~
- 2 ~~adopting safe and healthy working practices~~
- 3 ~~selecting materials, components and equipment~~
- 4 ~~preparing and installing prefabricated block chimneys~~

This standard is about preparing and applying spray and/or thin coating sealant within existing chimney structures, cleaning and maintaining spray equipment, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, **in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements**

This standard is for people working in the occupational area of Chimney Occupations and can be used by **installers operatives**, supervisors and managers

COSVR55
Apply sealant to chimney structures



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Interpretation of information	
Performance criteria <i>You must be able to:</i>	P1 interpret the information relating to the work and resources to confirm its relevance for the following: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information • schedules • pre-installation surveys • risk assessments • method statements
Safe work practices	
	P2 comply with the given relevant legislation, and official guidance and organisational procedures to carry out your work and maintain safe, healthy and environmentally responsible work practices relating to the following: <ul style="list-style-type: none"> • methods of work • safe use of personal protective equipment (PPE) health and safety control equipment relevant to the task being undertaken and the working environment • safe use of access equipment and working platforms • safe use, storage and handling of materials, tools and equipment • specific risks to health including mental health • specific risks associated with asbestos containing materials • specific risks associated with silica dust and mortars and sealants
Selection of resources	
	P3 select the required quantity and quality of resources for the methods of work <ul style="list-style-type: none"> • materials, components and fixings • tools and equipment • access equipment
Minimise the risk of damage	
	P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area by: <ul style="list-style-type: none"> • protecting the work and its surrounding area from damage • minimise damage maintaining a safe, clear and tidy and maintain a clean work area space • disposing of waste in accordance with current legislation and industry best practice

Commented [PL1]: Should be cascaded to all lining systems 081221

Commented [PL2]: Added 081221 cascade

Commented [PL3]: Addition 14/12/21

COSVR55
Apply sealant to chimney structures



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Meet the contract specification	
P5	<p>comply with the given contract information to carry out the work efficiently to the required specification by the following:</p> <ul style="list-style-type: none"> • demonstrating work skills to inspect, remove, measure, sweep, ream, scrape, mix, apply and finish • using and maintaining hand and power tools, equipment and ancillary items • applying sealant by spray method or thin coating application method for internal chimney surfaces to given working instructions • dismantling and cleaning spray equipment and/or thin coating application equipment or apply thin coating sealant for internal chimney surfaces, given working instructions
Allocated time	
Performance criteria <i>You must be able to:</i>	<p>P6 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</p>

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COSVR55
Apply sealant to chimney structures



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P1 Interpretation of information		
Knowledge and understanding <i>You need to know and understand:</i>	K1	why organisational procedures have been developed, to report and rectify inappropriate information and unsuitable resources, and how they are organisational procedures are implemented
	K2	types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information • schedules • pre-installation surveys • risk assessments • method statements
	K3	the range of relevant digital services, tools and systems, and how they are used
	K4	the importance of organisational procedures to report and resolve problems with the information, and why it is important they are to follow ed them
P2 Safe work practices		
	K5	the level of understanding operatives must have of information for current legislation and official guidance and how it is applied
	K6	the types of fire extinguishers and how and when they are used in relation to water, CO₂, foam, powder
	K7	how emergencies should be responded to and who should respond in accordance with organisational authorisation and personal skills in relation to when involved with : <ul style="list-style-type: none"> • fires, spillages, injuries • emergencies relating to occupational activities • identification of and reporting of asbestos containing materials
	K8	the organisational security procedures for tools, equipment and personal belongings in relation to: <ul style="list-style-type: none"> • operative • site • workplace • vehicles

Commented [PL5]: Should be cascaded to all lining systems 081221

COSVR55
Apply sealant to chimney structures



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		<ul style="list-style-type: none"> • company • customer • the general public • other occupations within the workplace
Knowledge and understanding <i>You need to know and understand:</i>	K9	how to report risks and hazards identified by the following: <ul style="list-style-type: none"> • methods of work • risk assessment • personal assessment • manufacturers' technical information • statutory regulations • official guidance • Control of Substances Hazardous to Health (COSHH)
	K10	what the accident reporting procedures and who is responsible for making the report
	K11	why, when and how Personal protective equipment (PPE) health and safety control equipment identified by occupational use, types, purpose of each type and work situations the principles of prevention should be used in relation to: <ul style="list-style-type: none"> • collective protective measures • personal protective equipment (PPE) • respiratory protective equipment (RPE) • local exhaust ventilation (LEV)
	K12	how to comply with environmentally responsible work practices to meet current legislation and official guidance when dealing with this relates to the operative's responsibilities regarding potential accidents, health hazards and the environment in relation to: <ul style="list-style-type: none"> • working in the workplace • working below ground level • confined spaces • working at height • tools and equipment • materials and substances • moving and storing materials by manual handling and mechanical lifting

COSVR55
Apply sealant to chimney structures



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P3 Selection of resources		
Knowledge and understanding <i>You need to know and understand:</i>	K13	why the characteristics, quality, uses, sustainability, limitations and defects associated with the resources are important and how defects should be rectified
	K14	the organisational procedures to select resources, why they have been developed and how they are used
	K15	how to confirm the resources and materials conform with the specification
	K16	how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none"> • sealant components • sands • mortars • cements • ceramics • resins and additives • hand tools, material application and testing equipment, and ancillary items
	K17	how to identify the suitability and hazards associated with the resources and methods of work and how they are overcome
I think this is covered in K15	K18	how to methods of calculating the quantity, length and wastage associated with the method and procedure to
P4 Minimise the risk of damage		
	K19	how to protect work and its surrounding area from damage and the purpose of protection from general workplace activities, other occupations and adverse weather conditions and how to minimise damage to existing building fabric
	K20	why and how the disposal of waste should must be carried out safely in and how it is achieved accordance with the following <ul style="list-style-type: none"> • environmental responsibilities • organisational procedures • manufacturers' information • statutory regulations • official guidance
	K21	why it is important to minimise damage maintain a safe, clean clear and tidy work area space

COSVR55
Apply sealant to chimney structures



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Knowledge and understanding <i>You need to know and understand:</i>	P5 Meet the contract specification	
	K22	<p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmentally responsible work practices, procedures and skills relating to the method and area of work and materials used to in relation to the following:</p> <ul style="list-style-type: none"> • how to prepare internal chimney structures • how to load and operate spray equipment (spray method only) • how to operate thin coat application equipment • how to apply sealant material to internal chimney surfaces • how to dismantle, clean and maintain spray equipment (spray method only) and/or thin coat application equipment • the relevance of an assessment, of significance and how to recognise, specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance • how to work safely with, around and in close proximity to plant and machinery • how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe and environmentally responsible working environment • how to identify and follow the installation requirements • how to use all hand and power tools and plant equipment • how to work at height using access equipment and working platforms • how and why operative care and maintenance of all hand and power tools and plant equipment is carried out
	K23	the importance of team-work and communication, organisational procedures with respect to site behaviours, and how to report inappropriate site behaviours
	K24	the needs of other occupations associated with applying sealant to chimney structures
	P6 Allocated time	
	K25	what the programme of is for the work to be carried out including the estimated and allocated time and why deadlines should be kept
	K26	the types of progress charts, timetables and estimated times and the organisational procedures for reporting circumstances which will affect the work programme

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COSVR55
Apply sealant to chimney structures



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Developed by	CITB
Version number	1.2
Date approved	This will be estimated
Indicative review date	Five years from the approval date
Validity	Current
Status	Original
Originating organisation	CITB
Original URN	COSVR55
Relevant occupations	Construction and Building Trades
Suite	Chimney Occupations Engineering (Construction)
Key words	Thin coating sealant; Spraying; Spray- equipment

CLEAN FLUES AND APPLIANCES

Overview

This standard is about

- 1 ~~interpreting information~~
- 2 ~~adopting safe and healthy working practices~~
- 3 ~~selecting materials, components and equipment~~
- 4 ~~preparing and installing prefabricated block chimneys~~

This standard is about preparing and carrying out cleaning of domestic and/or commercial chimneys and appliances, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, **in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements**

This standard is for people working in the occupational area of suite title/occupational grouping and can be used by **installers operatives**, supervisors and managers

COSVR56
Clean flues and appliances



Interpretation of information	
Performance criteria <i>You must be able to:</i>	P1 interpret the information relating to the work and resources to confirm its relevance for the following: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information • schedules • pre-installation surveys • risk assessments • method statements
Safe work practices	
	P2 comply with the relevant legislation and official guidance to carry out your work and maintain safe, healthy and environmentally responsible work practices relating to the following: <ul style="list-style-type: none"> • methods of work • safe use of personal protective equipment (PPE) health and safety control equipment relevant to the task being undertaken and the working environment • safe use of access equipment • safe use, storage and handling of materials, tools and equipment • specific risks to health including mental health • specific risks associated with asbestos containing materials • specific risks associated with silica dust and mortars/sealants
Selection of resources	
	P3 select the required quantity and quality of resources for the methods of work <ul style="list-style-type: none"> • materials, components and fixings • tools and equipment
Minimise the risk of damage	
	P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area by: <ul style="list-style-type: none"> • protecting the work and its surrounding area from damage • minimise damage maintaining a safe, clear and tidy and maintain a clean work area space • disposing of waste in accordance with current legislation and industry best practice

Commented [PL1]: Should be cascaded to all lining systems 081221

Commented [PL2]: Added 081221 cascade

Commented [PL3]: Addition 14/12/21

COSVR56
Clean flues and appliances



	Meet the contract specification	
	P5	<p>comply with the given contract information to carry out the work efficiently to the required specification by the following:</p> <ul style="list-style-type: none"> demonstrating work skills to inspect, service, sweep, rod, brush, position and secure using and maintaining hand and power tools and ancillary equipment preparing, inspecting, servicing, sweeping and cleaning domestic or commercial flues and appliances to given working instructions advising end user of correct fuels, efficient use of appliance and importance of regular servicing and maintenance
	Allocated time	
Performance criteria <i>You must be able to:</i>	P6	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

Commented [PL4]: Added 13/01/22

COSVR56
Clean flues and appliances



P1 Interpretation of information		
Knowledge and understanding <i>You need to know and understand:</i>	K1	why organisational procedures have been developed, to report and rectify inappropriate information and unsuitable resources, and how they are organisational procedures are implemented
	K2	types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information • schedules • pre-installation surveys • risk assessments • method statements
	K3	the range of relevant digital services, tools and systems, and how they are used
	K4	the importance of organisational procedures to solve problems with the information, and why it is important they are to followed them
P2 Safe work practices		
	K5	the level of understanding operatives must have of information for current legislation and official guidance and how it is applied
	K6	the types of fire extinguishers and how and when they are used in relation to water, CO₂, foam, powder
	K7	how emergencies should be responded to and who should respond in accordance with organisational authorisation and personal skills in relation to when involved with : <ul style="list-style-type: none"> • fires, spillages, injuries • emergencies relating to occupational activities • identification of and reporting of asbestos containing materials
	K8	the organisational security procedures for tools, equipment and personal belongings in relation to: <ul style="list-style-type: none"> • operative • site • workplace • vehicles • company

Commented [PL5]: Should be cascaded to all lining systems 081221

COSVR56
Clean flues and appliances



		<ul style="list-style-type: none"> customer the general public other occupations within the workplace
Knowledge and understanding <i>You need to know and understand:</i>	K9	how to report risks and hazards identified by the following: <ul style="list-style-type: none"> methods of work risk assessment personal assessment manufacturers' technical information statutory regulations official guidance Control of Substances Hazardous to Health (COSHH)
	K10	what the accident reporting procedures and who is responsible for making the report
	K11	why, when and how Personal protective equipment (PPE) health and safety control equipment identified by occupational use, types, purpose of each type and work situations the principles of prevention should be used in relation to: <ul style="list-style-type: none"> collective protective measures personal protective equipment (PPE) respiratory protective equipment (RPE) local exhaust ventilation (LEV)
	K12	how to comply with environmentally responsible work practices to meet current legislation and official guidance when dealing with this relates to the operative's responsibilities regarding potential accidents, health hazards and the environment in relation to: <ul style="list-style-type: none"> working in the workplace working below ground level confined spaces working at height tools and equipment materials and substances moving and storing materials by manual handling and mechanical lifting

COSVR56
Clean flues and appliances



P3 Selection of resources		
Knowledge and understanding <i>You need to know and understand:</i>	K13	why the characteristics, quality, uses, sustainability, limitations and defects associated with the resources are important and how defects should be rectified
	K14	the organisational procedures to select resources, why they have been developed and how they are used
	K15	how to confirm the resources and materials conform with the specification
	K16	how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none"> • protective equipment and screens • hand and/or powered tools, testing and inspection equipment
	K17	how to identify the hazards associated with the resources and methods of work and how they are overcome
I think this is covered in K15	K18	how to methods of calculating the quantity, length and area associated with the method and procedure to inspect, service, maintain and sweep clean flues and appliances.
P4 Minimise the risk of damage		
	K19	how to protect work and its surrounding area from damage and the purpose of protection from general workplace activities, other occupations and adverse weather conditions and how to minimise damage to existing building fabric
	K20	why and how the disposal of waste should must be carried out safely in and how it is achieved accordance with the following <ul style="list-style-type: none"> • environmental responsibilities • organisational procedures • manufacturers' information • statutory regulations • official guidance
	K21	why it is important to minimise damage maintain a safe, clean clear and tidy work area space

Commented [PL6]: Added 13/01/22

COSVR56
Clean flues and appliances



Knowledge and understanding <i>You need to know and understand:</i>	P5 Meet the contract specification	
	K22	<p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmentally responsible work practices, procedures and skills relating to the method and area of work in relation to the following: and materials used to</p> <ul style="list-style-type: none"> • how to inspect, service, maintain and prepare for to clean domestic and for commercial flues and appliances • why it is important to advise end user of correct fuels, efficient use of appliance and importance of regular servicing and maintenance • how and why it is important to protect surrounding areas of work • identify chimney structures for all fuel types energy systems • how to identify chimney defects • how to test chimney structures • why it is important to keep company records • how to mend leaky baskets • the relevance of an assessment of significance and how to recognise, specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance • how to work with, around and in close proximity to plant and machinery • how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe and environmentally responsible working environment • how to identify and follow quality requirements • how to use all hand and power tools and equipment • how to work at height using access equipment • how and why operative care and maintenance of all hand and power tools and equipment is carried out
	K23	the importance of team-work and communication, organisational procedures with respect to site behaviours, and how to report inappropriate site behaviours
	K24	the needs of other occupations associated with cleaning flues and appliances
	P6 Allocated time	
K25	what the programme of is for the work to be carried out including the estimated and allocated time and why deadlines should be kept	


Commented [PL7]: Added 13/01/22

Commented [PL8]: Revised 13/11/22

Commented [PL9]: Added 13/01/22 to be cascaded

Commented [PL10]: Removed 13/1/22

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COSVR56 Clean flues and appliances	
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	K26	the types of progress charts, timetables and estimated times and the organisational procedures for reporting circumstances which will affect the work programme.
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Developed by	CITB
Version number	1 -2
Date approved	This will be estimated
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Validity	Current
Status	Original
Originating organisation	CITB
Original URN	COSVR56
Relevant occupations	Construction and Building Trades
Suite	Chimney Occupations Engineering (Construction)
Key words	Chimneys; Domestic-chimney; Industrial-chimney; Energy systems

COSVR??

Connect solid fuel appliances to flue system



CONNECT SOLID FUEL APPLIANCE TO A FLUE SYSTEM

Overview

This standard is about the inspection, preparation and connecting of a solid fuel appliance to a domestic, or commercial flue way or chimney. This will include the interpretation of current relevant statutory standards, information, and adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, **in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements**

This standard is for people working in the occupational area of suite title/occupational grouping and can be used by operatives, supervisors and managers

COSVR?? Connect solid fuel appliances to flue system

		Interpretation of information
Performance criteria <i>You must be able to:</i>	P1	interpret the information relating to the work and resources to confirm its relevance for the following: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information and instructions • schedules • pre-installation survey • risk assessments • method statements
	Safe work practices	
	P2	comply with the relevant legislation and official guidance to carry out your work and maintain safe, healthy and environmentally responsible work practices relating to the following: <ul style="list-style-type: none"> • methods of work • safe use of health and safety control equipment • safe use of access equipment • safe use, storage and handling of materials, tools and equipment • specific risks to health including mental health • specific risks associated with asbestos containing materials • specific risks associated with silica dust and mortars and sealants
		Selection of resources
	P3	select the required quantity and quality of resources for the methods of work <ul style="list-style-type: none"> • materials, components and fixings • tools and equipment
		Minimise the risk of damage
	P4	comply with organisational procedures to minimise the risk of damage to the work and surrounding area by: <ul style="list-style-type: none"> • protecting the work and its surrounding area from damage • maintaining a safe, clear and tidy work area • disposing of waste in accordance with current legislation using an environmentally responsible process
		Meet the contract specification
	P5	comply with the contract information to carry out the work efficiently to the required specification by the following: <ul style="list-style-type: none"> • demonstrating work skills to measure, cut, position, secure, test using and maintaining hand tools, power tools and ancillary equipment

COSVR??
Connect solid fuel appliances to flue system



		<ul style="list-style-type: none"> inspect and prepare work areas and work activities for connecting an appliance to a flue system, inspect and test the siting and installation of solid fuel appliances in accordance with statutory and manufacturer's requirements
	Allocated time	
Performance criteria <i>You must be able to:</i>	P6	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

**COSVR??
Connect solid fuel appliances to flue system**



P1 Interpretation of information		
Knowledge and understanding <i>You need to know and understand:</i>	K1	Why statutory, industry and organisational procedures have been developed, and how they are implemented
	K2	types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> • current legislation and regulations governing buildings and the environment • BS EN standards • specifications • drawings • manufacturers' information and instructions • schedules • pre-installation survey • risk assessments • method statements
	K3	the range of relevant digital services, tools and systems, and how they are used
	K4	the importance of organisational procedures to solve problems with the information, and why it is important to follow them
P2 Safe work practices		
	K5	information for current legislation and official guidance and how it is applied
	K6	the types of fire extinguishers and how and when they are used in relation to water, CO ₂ , foam, powder
	K7	how emergencies should be responded to in accordance with organisational authorisation and personal skills in relation to: <ul style="list-style-type: none"> • fires, spillages, injuries • emergencies relating to occupational activities • identification of and reporting of asbestos containing materials
	K8	the organisational security procedures for tools, equipment and personal belongings in relation to: <ul style="list-style-type: none"> • operative • site • workplace • vehicles • company • customer

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		<ul style="list-style-type: none"> • the general public • other occupations within the workplace
Knowledge and understanding <i>You need to know and understand:</i>	K9	how to report risks and hazards identified by the following: <ul style="list-style-type: none"> • methods of work • risk assessment • personal assessment • manufacturers' technical information • statutory regulations • official guidance • Control of Substances Hazardous to Health (COSHH)
	K10	the accident reporting procedures and who is responsible for making the report
	K11	why, when and how health and safety control equipment identified by the principles of prevention should be used in relation to: <ul style="list-style-type: none"> • collective protective measures • personal protective equipment (PPE) • respiratory protective equipment (RPE) • local exhaust ventilation (LEV)
	K12	how to comply with environmentally responsible work practices to meet current legislation and official guidance when dealing with potential accidents, health hazards and the environment in relation to: <ul style="list-style-type: none"> • working in the workplace • working below ground level • confined spaces • working at height • tools and equipment • materials and substances • moving and storing materials by manual handling and mechanical lifting • installing solid fuel appliances

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P3 Selection of resources		
Knowledge and understanding <i>You need to know and understand:</i>	K13	why the characteristics, quality, uses, sustainability, limitations and defects associated with the resources are important and how defects should be recorded and rectified
	K14	the organisational procedures to select resources, why they have been developed and how they are used
	K15	how to confirm the resources and materials conform with the specification in accordance with organisational requirements which are equal to or exceed current statutory, legislative or manufacturers requirements
	K16	how the resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none"> • protective equipment and screens • fixings and fittings • sealants • insulation materials • hand and power tools and ancillary equipment
	K17	how to identify the hazards associated with the resources and methods of work and how they are overcome
I think this is covered in K15	K18	methods of calculating the quantity length and area associated with the method and procedure to Connect solid fuel appliances to flue system
P4 Minimise the risk of damage		
	K19	how to protect work and its surrounding area from damage and the purpose of protection from general workplace activities, other occupations and adverse weather conditions and how to minimise damage to existing building fabric
	K20	why and how the disposal of waste must be carried out safely in accordance with the following <ul style="list-style-type: none"> • environmental responsibilities • organisational procedures • manufacturers' information • statutory regulations • official guidance
	K21	why it is important to maintain a safe, clear and tidy work area

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Knowledge and understanding <i>You need to know and understand:</i>	P5 Meet the contract specification	
	K22	<p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmentally responsible work practices, procedures and skills relating to the method and area of work</p> <ul style="list-style-type: none"> • the importance of the relevance of an assessment and how to recognise, specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and buildings of historical significance • how to inspect, prepare for and connect a solid fuel appliance and flue system, in accordance with statutory and manufacturer's instructions • why it is important to inspect and test chimney performance and confirm it meets statutory requirements, manufacturer's and industry standards • why it is important to ensure servicing access for sweeping and inspection • why it is important to confirm that the ventilation requirements meet the statutory and industry standards for the installation • make provision in accordance to statutory and manufacturer's instructions for an alert to the release of carbon monoxide • how to or why it is important to protect surrounding, areas of work • how to work safely with, around and in close proximity to plant and machinery • how to use all work tools and equipment • how to work at height using access equipment • how and why operative care and maintenance of all work and/or power tools and equipment is carried out • why it is important to ensure the customer understands the correct and safe operation of the appliance in accordance with statutory and manufacturer's instructions • how to identify good solid fuel appliance operating practice, and relate this to the end user • how to identify suitable solid mineral and/or wood fuel and its storage relate this to the end user • how to identify, report and resolve problems that could affect the installation and commissioning process • how to complete all records and documentation in line with statutory and organisational requirements • how to handover and sign off to the customers satisfaction

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	K23	the importance of team-work and communication, organisational procedures with respect to site behaviours, and how to challenge inappropriate site behaviours
	K24	the needs of other occupations associated with connecting solid fuel appliances to flue systems
	P6 Allocated time	
	K25	the programme of work to be carried out including the estimated and allocated time and why deadlines should be kept
	K26	the types of progress charts, timetables and estimated times and the organisational procedures for reporting circumstances which will affect the work programme

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