COSVR98 - J9HV 04
Repair sheeting and cladding systems on roofs and walls

Overview

This standard is about repairing sheeting and cladding systems on roofs and walls, 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 cladding occupations and can be used by installers, supervisors and managers

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Performance criteria *You must be able to:*	**P1**	**Interpretation of information** interpret the information relating to the work and resources to confirm its relevance for the following: • drawings • specifications • programme • setting out lines and levels • schedules • method statements • risk assessments • manufacturers' information • fixing strategy • inspection test plan • check sheet • Control of Substances Hazardous for Health (COSHH)
	P2	Safe work practices comply with the relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices relating to the following: • methods of work • safe use of health and safety control equipment including PPE • 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 • securing loads and materials • unloading and distribution • identifying adverse weather conditions
	P3	**Selection of resources** select the required quantity and quality of resources for the methods of work • materials, components and fixings • tools and equipment • access equipment
	P4	**Minimise the risk of damage** comply with organisational procedures to minimise the risk of damage to the work and surrounding area by: • taking relevant steps to protect the work and its surrounding area from damage • maintaining a safe, clear and tidy work area • disposing of waste in accordance with current legislation

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Performance criteria *You must be able to:*	**P5**	**Meet the contract specification** comply with the contract information to carry out the work efficiently to the required specification by the following: • demonstrating work skills to remove, replace, renew and repair • using and maintaining hand tools, power tools and associated equipment • identify and repair the following defects in sheeting and cladding systems to given working instructions: - leaks - condensation - damaged sheets and components - minor surface coating defects - damaged or missing flashings
	P6	**Allocated time** complete the work within the estimated, allocated time in accordance with contract information, the programme of work and to meet the needs of other occupations

		P1 Interpretation of information
Knowledge and understanding *You need to know and understand:*	**K1**	why organisational procedures have been developed and how they are implemented
	K2	types of information, their source and how they are interpreted in relation to: • drawings • specifications • programme • setting out lines and levels • schedules • method statements • risk assessments • manufacturers' information • fixing strategy • inspection and test plan • check sheet • Control of Substances Hazardous for Health (COSHH) • oral and written procedures • site inductions • current legislation and regulations governing buildings • official guidance associated with the repair of sheeting and cladding on roofs and wall systems
	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 relevant, current legislation and official guidance and how it is applied to the following: • potential accidents • health hazards and the environment • members of the public • in confined spaces • at height • tools and equipment • materials and substances • movement and storage of materials • manual handling • mechanical lifting • mechanical access equipment
	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: • fires • spillages • injuries • falls • rescue procedures • occupational activities • identification of and reporting of asbestos containing materials • damage of existing structure, building or ground
	K8	the organisational security procedures for tools, equipment and personal belongings in relation to: • operative • site • workplace • vehicles • company • customer • the general public • materials

Knowledge and understanding *You need to know and understand:*	**K9**	how to report risks and hazards identified by the following: • methods of work • risk assessment • personal risk assessment including medical assessment • organisational procedures • COSHH • weather conditions • work area
	K10	the accident reporting procedures and who is responsible for making the report
	K11	HSE principles of prevention
	K12	why, when and how health and safety control equipment identified by the principles of prevention should be used in relation to: • collective protective measures • personal protective equipment (PPE) • respiratory protective equipment (RPE) • local exhaust ventilation (LEV)
	K13	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 whilst working in the workplace in relation to: • confined spaces • at height • tools and equipment • materials and substances • movement and storage of materials by manual handling and mechanical lifting • mechanical access equipment • environmental damage • pollution
		P3 Selection of resources
	K14	the organisational procedures to select resources, why they have been developed and how they are used
	K15	why the characteristics, quality, uses, sustainability, limitations and defects associated with the resources are important and how defects should be rectified
	K16	how to confirm the resources and materials conform with the specification and drawings

Knowledge and understanding *You need to know and understand:*	**K17**	how the resources should be used and how any problems associated with the resources are reported in relation to: • fixings, fasteners, flashings, fittings, halters and spacer systems • insulation, vapour control, separation and breather membranes • primers, cleaning agents, sealing tapes, sealants and fillers • metal and translucent sheets, built up, standing seam, secret fix, composite panels, decking panels and fibre cement systems • rainwater goods • hand tools, portable power tools and equipment • digital equipment
	K18	how to identify the hazards associated with the resources and methods of work and how they are overcome in relation to: • risk assessment • methods of work
	K19	methods of calculating the quantity length and wastage associated with the method and procedure to repair sheeting and cladding systems on roofs and walls
		P4 Minimise the risk of damage
	K20	how to protect work and its surrounding area from damage and the purpose of protection from general workplace activities, members of the public, other occupations and adverse weather conditions and how to minimise damage to existing building fabric
	K21	why and how the disposal of waste must be carried out safely in accordance with the following: • environmental responsibilities • legal responsibilities • organisational procedures • risk assessments • method statements • manufacturers' information • statutory regulations • official guidance
	K22	why it is important to maintain a safe, clear and tidy work area

		P5 Meet the contract specification
Knowledge and understanding *You need to know and understand:*	**K23**	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: • how to identify installation quality requirements • how to conform to agreed specification • how to confirm manufacturers' repair and installation criteria • how to identify defects including leaks and condensation, damaged sheets and components, surface coating defects, damaged and missing flashings • how to remove and recover defective materials • how to carry out repairs to sheet components • how to remove and replace damaged, missing and incorrect sheeting and cladding materials, components, fittings, fixings and flashings • how to identify and match existing products • how to identify the source of leaks and condensation • how to deal with and prevent water leaks and condensation • how to inspect, test, repair and replace rainwater goods • how to identify and ensure the integrity of joints and overlaps • how to treat surface coating defects • how to apply sealants and fillers to ensure water and airtightness • how to install and replace insulation, breather membranes and vapour control layers • how to recognise the differences between sheeting and cladding materials for roofs and walls • how to check quality and suitability of work on completion and at the end of each working period • how to recognise and determine when additional specialist skills and knowledge are required and report accordingly • how to work from mobile elevating work platforms • how to work with, around and in close proximity to plant and machinery • how to work in and around members of the public • how to install and maintain a safe segregated working area

Knowledge and understanding *You need to know and understand:*		• how to install and maintain safe access and egress from the working area • understanding of and installation of the correct warning signage for members of the public • how to use hand tools, portable power tools and equipment • how to work at height • how to use access equipment • why the safe operations and movement of plant and machinery ensure the safety and protection of the working environment • how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment • how and why operative care and maintenance of all work and power tools and equipment is carried out
	K24	the importance of teamwork and communication, organisational procedures with respect to site behaviours and how to challenge inappropriate behaviours
	K25	the needs of other occupations associated with repairing sheeting and cladding on roofs and walls
		P6 Allocated time
	K26	the programme of work to be carried out including the planned and allocated time and why deadlines should be kept
	K27	the types of progress charts, timetables and planned times and the organisational procedures for reporting circumstances which will affect the work programme

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