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Developer's Pack National Occupational Standards for Wall and Floor Tiling (Construction)

Project 2018/19

COSVR141, COSVR142, COSVR143, COSVR144, COSVR149,
COSVR626, COSVR627

Comment [AF1]: Is title still appropriate? Yes

GMc Industry should be concentrating on the time-scale of the Apprenticeship at 4 years minimum and not proposing to dilute the course to achieve Government numbers

Comment [PD2]:

Development Legend

Initial proposed changes – **Red**

1st Meeting – **Green**

2nd Meeting – **Blue**

3rd Meeting – **Red underlined**

4th Meeting – **Green underlined**

5th Meeting – **Blue underlined**

Suggestions from other occupational representatives in red italics

July 2018



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COSVR141

Prepare backgrounds for tiling

Overview

This standard is about preparing new and/or existing solid and manufactured board backgrounds to receive wall and/or floor tiling, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, ~~preparing new and/or existing solid and manufactured board backgrounds to receive wall and/or floor tiling ??~~

This standard is for people working in the occupational area of wall and floor tiling and can be used by operatives, supervisors and managers ??

Nb: All proposed 'generic template' changes from existing NOS highlighted in red. Some of these are related to the look/style of the NOS, as above; most are changes that most construction occupations have felt are appropriate to knowledge, understanding and skills. They may or may not be applicable to a particular NOS. Where I believe you may have a choice to make, I have made a 'comment', otherwise, I would anticipate that you would probably want to accept the proposed change.

Much of this standard will appear to be the same or similar to other standards, but it should be considered in the context of the particular standard. The core standards, covering construction generally, used to derive the core units of the VQ (NVQ/SVQ) relate to:

VR641 – Conform to general workplace health, safety and welfare

VR642 – Conform to productive practices

VR643 – Move, handle or store resources

Knowledge, understanding and skills specific to the standard I have highlighted in orange. You will need to consider in particular whether being able to meet the standard (in addition to the more general aspects) would currently demonstrates an effective worker, ie does it remain 'fit for purpose'. OR has the occupation changed, so that the standard needs changing?

COSVR141

Prepare backgrounds for tiling

Performance criteria

You must be able to:

- P1 interpret the given information relating to the work and resources to confirm its relevance
- P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain **safe and healthy work practices**
- P3 select the required quantity and quality of resources for the methods of work
- P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
- P5 comply with the given contract information to carry out the work efficiently to the required specification
- P6 complete the work within the allocated time, in accordance with the programme of work

Comment [PD5]: It would be important to clarify what healthy work practices are in regards to prepare backgrounds to enable lecturers to ensure they cover this criteria correctly

JMc That they have an understanding that the person ultimately responsible for their safety on site is in fact themselves. This section of training is to highlight the full understanding and purpose for Health & Safety (as we do like to see them returning to work in a healthy condition)

THIS PAGE (WITHIN NOS COSVR141) WILL ALSO EVENTUALLY APPEAR WITHIN THE ACTUAL NOS FOLLOWING (VR142, VR143 etc). AS THIS IS EXACTLY THE SAME IN EACH OF THESE NOS, I HAVE SHOWN IT ONLY ONCE. WHEN REVIEWING, IT SHOULD BE CONSIDERED AS APPROPRIATE OR NOT FOR ALL.

COSVR141

Prepare backgrounds for tiling

Knowledge and understanding

Performance Criteria 1

Interpretation of information

You need to know and understand:

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Comment [AF6]: K1 – K19 are performance criteria that the tiler should know and understand

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 the types of **fire extinguishers** and how and when they are used??
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **health and safety control equipment** should be used
- K10 how to comply with environmentally responsible work practices to meet current **legislation and official guidance**

Comment [AF7]: You may feel that a knowledge and understanding of this is relevant to all tilers, in which case it should be included.
PD Yes this should be included but is it already included in a mandatory unit and if so is it relevant in a prepare backgrounds unit
AF there is repetition as VQ units can be taken stand –alone. HSE requirement that whether doing as a full VQ or unit, that elements are covered

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Comment [PD8]: Very important in construction today and will ensure tilers are up to date with relevant legislation regarding background prep and the environment. It is a broad pc but can be covered by selecting low impact products etc

COSVR141

Prepare backgrounds for tiling

Performance Criteria 3

Selection of resources

You need to know and understand:

- K11 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K12 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K13 the organisational procedures to select **resources**, why they have been developed and how they are used
- K14 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K15 how to **protect work** from damage and the purpose of protection
- K16 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K17 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K18 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K19 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

THIS PAGE (WITHIN NOS COSVR141) WILL ALSO EVENTUALLY APPEAR WITHIN THE ACTUAL NOS FOLLOWING (VR142, VR143 etc). AS THIS IS EXACTLY THE SAME IN EACH OF THESE NOS, I HAVE SHOWN IT ONLY ONCE. WHEN REVIEWING, IT SHOULD BE CONSIDERED AS APPROPRIATE OR NOT FOR ALL.

COSVR141

Prepare backgrounds for tiling

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, **schedules**, job details, method statements, risk assessments, control of substances hazardous to health (COSHH) assessments and manufacturers' information related to the work to be carried out ??

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to **at least?? of** the following
 - 2.1 methods of work
 - 2.2 safe use of health and safety control equipment
 - 2.3 **safe use of access equipment ??**
 - 2.4 safe use, storage **and handling** of materials, tools and equipment
 - 2.5 **specific risks to health ????**

- 3 **safe use of fire extinguishers, as appropriate to the fire ???**

Performance Criteria 3

- 4 selection of resources associated with own work
 - 4.1 **materials, components, fixings and accessories ???**
 - 4.2 tools and equipment

Performance Criteria 4

- 5 protection of the work and its surrounding area from damage
- 6 **minimise damage and** maintain a **clean** clear and tidy work space
- 7 disposal of waste in accordance with **current** legislation

Performance Criteria 5

- 8 demonstration of work skills to measure, set out, strip, cut out, remove, make good, apply, finish, position, secure and finish
- 9 use and maintain hand tools, portable power tools and **ancillary** associated equipment ?
- 10 preparation and application of new and/or existing surfaces (to receive **ceramic** and natural stone wall and floor tiling) to given working instructions for
 - 10.1 brick, block, tiles, concrete and manufactured board surfaces, **cement and sand** surfaces
 - 10.2 application of appropriate accessories

Performance Criteria 6

- 11 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

Comment [AF10]: PC1 to PC6 are what they should be able to do

PD I think the terminology Work programme should be included, normally used in NI and more understandable than schedule
PM agrees, include 'work programme'

Comment [AF11]: All of these? Some of these? At least 'x' of these? Currently all.

SL I think all of these
PD This criteria may be difficult to fully achieve if all aspects are required, I would suggest that covering at least 3 aspects is sufficient and allows a candidate to select relevant aspects of the work to meet some of these
AS all should be evidenced
PM all should be evidenced

Comment [AF12]: You may feel that it is not a 'skill' or that tilers need to demonstrate or perform to be competent, they just need to know and understand about their use. Fire training to support this competence can also be quite costly. As with the other proposed changes, you can accept or reject this proposal
SL I don't think this should be included
PD I would suggest that this should only be included in the knowledge part of a health and safety unit
AS leave out as difficult to assess but incl in knowledge
AM leave out

Comment [AF13]: Could these all possible needed when preparing backgrounds for tiling?
SL This would depend on the definition
PD Less is more sometimes and a candidate will elaborate on selection of materials components and accessories to meet this criteria naturally without trying to find a fixing they have used in background prep.
AF Happy to leave out or perhaps components OR fixings. See what group feel
AS incl all
PM incl all

Comment [AF14]: PC5 highlights the main occupational skills, what you must be able to do, directly related to 'prepare backgrounds for tiling'

PD 10.2 is accessories the correct terminology that will be apparent to candidates or could more be added such...

Comment [AF15]: AS leave ancillary out, confuses matters
PM agree, leave out

Comment [AF16]: PM – add porcelain also

Comment [AF17]: AS 'cement based' would cover, use of sand dependent on sub-base. Otherwise 'sand and cement'.
PM add gypsum based surfaces very common when not 'new' work, eg patching of the surface, also 'membranes', also 'sand & cement' not cement & sand'.

COSVR141

Prepare backgrounds for tiling

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Fire extinguishers ????

- 3 **water, CO₂, foam, powder and their uses**

Hazards

- 4 those identified by risk assessment, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection prevention** for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, **schedules**, job details, method statements, risk assessments, COSHH assessments, manufacturers' information, **official guidance** and **current** wall and floor tiling recommendations **regulations governing buildings ??? / associated with ????**

Legislation and official guidance

- 7 this relates to the operative's responsibilities regarding potential accidents, health hazards **and the environment** whilst working in the workplace, **below ground level, in confined spaces**, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting

Maintenance

- 8 operative care of hand tools, portable power tools and **ancillary** associated equipment ???

Comment [AF18]: This would relate to K5, so if you want a knowledge and understanding of 'the types of fire extinguishers and how and when they are used' then this should also be included

PD Yes – knowledge only not performance
AS include
PM include

Comment [AF19]: This would relate to K9
PD All relevant and prevention is better terminology

Comment [AF20]: ...current regulations governing buildings OR current regulations associated with this standard, 'prepare backgrounds for tiling'
SL current regulations associated with this standard

PD If this criteria is repeated in other units such as QCF 142 v2 then it should be specific to the units therefore associated with prepare backgrounds for tiling
AF suspect no specific regs ref. each job function – so use 'governing buildings' TTA advice sought.
BH (TTA) 'regulations' statement not necessary - remove

Comment [PD21]: Is ancillary equipment a word that all candidates will immediately understand. I personally have to explain to all of my apprentices what ancillary equipment is as it is not commonly used but appears quite a lot through out
AF can leave out
AS leave out
PM leave out

Prepare backgrounds for tiling

Methods of work	
9	application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
9.1	prepare brick, block, tiles, concrete, manufactured board surfaces, membranes and gypsum based surfaces
9.2	mix and apply cement and sand renders/screed and plaster renders
9.3	mix and apply proprietary material to make good the surfaces
9.4	install appropriate accessories
9.5	use waterproof decoupling and acoustic membranes
9.6	install movement joints
9.7	provide information for Building Information Modelling (BIM)
9.8	recognise and determine when specialist skills and knowledge are required and report accordingly ???
9.9	determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance ???
9.10	identify and follow the installation quality requirements???
9.11	work with, around and in close proximity to plant and machinery???
9.12	direct and guide the operations and movement of plant and machinery???
9.13	use hand tools, portable power tools and associated equipment ???
9.14	work at height
9.15	use access equipment
10	team work and communication
11	needs of other occupations associated with the preparation for wall and/or floor tiling

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

- 13 types of progress charts, timetables and estimated times
- 14 organisational procedures for reporting circumstances which will affect the work programme

Comment [AF22]: This highlights in more detail what should specifically be known and understood and be able apply when 'preparing backgrounds for tiling'

Comment [AF23]: ASVR142 includes 'remove existing tiles and prepare background' – should this be here instead?

Comment [AF24]: PM what accessories? AF – this is in 16 Resources

Comment [AF25]: This is increasingly a requirement on construction sites, so if this might be a requirement on some of your sites, then it should be included. It's really just ensuring operatives are aware of BIM and that they may need to provide information (and what types) to their supervisor or client
GMC general understanding of the development is all that is required as the use would be more in keeping with a Technician / Site Manager / Surveyor
PD Very relevant in construction today and all tradesmen should be at least aware of what it is.
AF And what information may be required
PM yes incl

Comment [AF26]: Could there be situations where the operative needs to seek further guidance or that there is something beyond their ability? Then they should understand situations when this might occur, when to seek this support and who from.
SL I would say this is important, it could even be suggesting the wrong materials have been specified and while the tiler might not write the new spec, he can get clarification.
PD Yes as preparing a background incorrectly could lead to failure

Comment [AF27]: Could the age of the structure have an impact on the preparation method?
SL make them aware of the heritage qualification
PD Yes but this is very specialised work and may not be criteria easily met by candidates nationally. I would question if this is relevant in this unit. On discussion, PD felt that this could be asked during ...

Comment [AF28]: Is this something that tilers have to ever do therefore understand? I would think not plant, but what about machinery?
SL Yes, this is possible, though I don't think this is needed. ...

Comment [AF29]: I would think 9.11 might be a requirement, but I would not expect operatives to know how to do this 9.12? – let me know either way

Comment [PD30]: This is not an aspect of tiling that should be included as a mandatory pc that must be met. I would suggest that a tiler will never be in any position that he will need to direct and guide movement of plant and machinery and to include this may raise a health an ...

COSVR141

Prepare backgrounds for tiling

Protect work

15 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

16 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist

16.1 sand, cement, plaster renders, screeds, trim, bonding/priming agents, waterproofing agents, accessories

16.2 fittings and fixings ??

16.3 hand tools, and/or portable powered tools and associated equipment

17 confirm resources and materials conform with the specification???

18 methods of calculating quantity, length, area and wastage associated with the method and procedure to prepare backgrounds for tiling???

Security procedures

19 site, workplace, company and operative, vehicles???

Comment [AF31]: This relates back to PC3. Specifically to preparing backgrounds for tiling. What resources would/would not be needed?
PD I don't think there is a requirement for 16.2

Comment [AF32]: **PD** in discussion, add specifically 'backing board , de-coupling membranes' prior to accessories
AS agrees
PM agrees

Comment [AF33]: **AS** considers that on refurb this may be a requirement so include
PM agrees

Comment [AF34]: **SL** could be appropriate when equal or equivalent are on the spec, same class of adhesive or grout etc. Very important.

Comment [AF35]: If tilers are also responsible for a vehicle, this is normally also included

PD Can be included as options

COSVR141

Prepare backgrounds for tiling

Developed by	ConstructionSkills
Version number	3 4
Date approved	January 2014 2018
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Validity	Current
Status	Original
Originating organisation	ConstructionSkills
Original URN	VR141
Relevant occupations	Floorers and Wall Tilers
Suite	Wall and Floor Tiling (Construction); Heritage Skills (Construction)
Key words	Floor tiling; Wall tiling; Plastering; Rendering; Ceramics; Natural stone; Screeds

This page will be at the end of each standard – I will complete this.

COSVR142

Tile wall and floor surfaces

Overview

This standard is about **fixing wall and floor tiles to vertical, horizontal and inclined surfaces**, interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, ~~fixing wall and floor tiles to vertical, horizontal and inclined surfaces ??~~

This standard is for people working in the occupational area of **floorers and wall tilers** and can be used by operatives, supervisors and managers ??

Comment [AF36]: SL 'wall & floor tilers'

Please review in the same way as standard COSVR141. You are now considering whether the elements of the standard are currently applicable to 'Tile wall and floor surfaces'. The comments I have made in COSVR141 may well be applicable for this unit. Bear in mind that pages 2, 3 and 4 in COSVR141 have not been repeated here.

The occupationally specific sections are again highlighted in orange.

COSVR142

Tile wall and floor surfaces

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, job details, method statements, risk assessments, control of substances hazardous to health (COSHH) assessments and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to / at least?? of the following
 - 2.1 methods of work
 - 2.2 safe use of health and safety control equipment
 - 2.3 safe use of access equipment ?
 - 2.4 safe use, storage and handling of materials, tools and equipment
 - 2.5 specific risks to health ??
- 3 safe use of fire extinguishers, as appropriate to the fire ???

Performance Criteria 3

- 4 selection of resources associated with own work
 - 4.1 materials, components, fixings and accessories ???
 - 4.2 tools and equipment

Performance Criteria 4

- 5 protection of the work and its surrounding area from damage
- 6 minimise damage and maintain a clean clear and tidy work space
- 7 disposal of waste in accordance with current legislation

Performance Criteria 5

- 8 demonstration of work skills to measure, set out, cut, remove, apply, position, secure and finish
- 9 use and maintain hand tools, portable power tools and ancillary associated equipment ?
- 10 fix tiles to vertical, horizontal and inclined surfaces to given working instructions for
 - 10.1 wall and floor surfaces
 - 10.2 reveals, cills and soffits (door and/or windows)
 - 10.3 floor drainage and outlets
 - 10.4 fixture of appropriate accessories

Performance Criteria 6

- 11 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

Comment [AF37]: PD at meet, not needed

Comment [AF38]: PD at meet, add 'mix materials to fix and grout and spread materials' prior to 10. Also more detail on cutting - either include a Unit to reflect VR627 Prepare tile for fixing' or include within this NOS 'cutting ceramic porcelain and natural stone wall and floor tiles to size and/or given working instructions - 1 - wet cutting, 2 - hand operated cutting tools
AF a basic requirement for a competent tiler - but unless learner has completed level 1 VQ, they would not have to demonstrate this - if they have then RPL would apply. **Saying this** they do need to demonstrate skills to 'cut' and 'apply' in 8.

Comment [AF39]: PD at meet - should large format and patterned tiles be specified. A normal requirement for a tiler **AS** agrees - large format dominant and is different

Comment [AF40]: PD at meet - could this be better worded?

COSVR142

Tile wall and floor surfaces

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Fire extinguishers ????

- 3 water, CO₂, foam, powder and their uses

Hazards

- 4 those identified by risk assessment, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles ~~protection~~ prevention for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, schedules, job details, method statements, risk assessments, COSHH assessments, manufacturers' information, official guidance and current wall and floor tiling recommendations regulations governing buildings ??? / associated with ????

Legislation and official guidance

- 7 this relates to the operative's responsibilities regarding potential accidents, health hazards and the environment whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting

Maintenance

- 8 operative care of hand tools, portable power tools and ancillary associated equipment ???

Comment [AF41]: PD at meet - as VR141

Comment [AF42]: PD at meet - not needed

COSVR142

Tile wall and floor surfaces

Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
 - 9.1 fix and finish wall and floor tiles to regular and irregular vertical, horizontal and inclined surfaces, including staircase and landing (new and repair work)
 - 9.2 remove existing tiles and prepare background
 - 9.3 form reveals, cills and soffits (door and window openings)
 - 9.4 form internal and external angles
 - 9.5 fix channels/form drainage and outlets
 - 9.6 use appropriate accessories
 - 9.7 recognise and determine when specialist skills and knowledge are required and report accordingly ???
 - 9.8 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance ???
 - 9.9 identify and follow the installation quality requirements???
 - 9.10 work with, around and in close proximity to plant and machinery???
 - 9.11 direct and guide the operations and movement of plant and machinery???
 - 9.12 use hand tools, portable power tools and associated equipment
 - 9.13 work at height
 - 9.14 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with tiling wall and floor surfaces

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

- 13 types of progress charts, timetables and estimated times
- 14 organisational procedures for reporting circumstances which will affect the work programme

Comment [AF43]: AS – should this not be part of VR141 Prepare backgrounds?

Comment [PD44]:
I believe that the comments I have made on Unit 141 all apply to Unit 142 also
AS - ditto

COSVR142

Tile wall and floor surfaces

Protect work

- 15 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

- 16 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 16.1 wall and floor tiles, grout, adhesives, accessories
 - 16.2 fittings and fixings ???
 - 16.3 hand tools, ~~and/or~~ portable powered tools and associated equipment
- 17 confirm resources and materials conform with the specification???
- 18 methods of calculating quantity, length, area and wastage associated with the method and procedure to tile wall and floor surfaces

Security procedures

- 19 site, workplace, company and operative, vehicles???

Comment [AF45]: PD at meet – include
AS – ok with all 'Resources' here

COSVR143

Produce tiled, mosaic and stone surface finishes

Overview

This standard is about ~~setting out geometrical patterns and fixing wall and floor tiles, mosaics and natural stone slabs to vertical, horizontal, inclined and curved surfaces~~, interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, ~~setting out geometrical patterns and fixing wall and floor tiles, mosaics and natural stone slabs to vertical, horizontal, inclined and curved surfaces~~ ??

This standard is for people working in the occupational area of wall and floor tilers and can be used by operatives, supervisors and managers ??

Please review in the same way as standard COSVR141. You are now considering whether the elements of the standard are currently applicable to 'Produce tiled, mosaic and stone surface finishes'. The comments I have made in COSVR141 may well be applicable for this unit. Bear in mind that pages 2, 3 and 4 in COSVR141 have not been repeated here.

The occupationally specific sections are again highlighted in orange.

COSVR143

Produce tiled, mosaic and stone surface finishes

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, **schedules**, job details, method statements, risk assessments, control of substances hazardous to health (COSHH) assessments and manufacturers' information related to the work to be carried out ??

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to / at **least??** of the following
 - 2.1 methods of work
 - 2.2 safe use of health and safety control equipment
 - 2.3 **safe use of access equipment ??**
 - 2.4 safe use, storage **and handling** of materials, tools and equipment
 - 2.5 **specific risks to health ??**
- 3 **safe use of fire extinguishers, as appropriate to the fire ???**

Performance Criteria 3

- 4 selection of resources associated with own work
 - 4.1 materials, components, **fixings** and accessories ???
 - 4.2 tools and equipment

Performance Criteria 4

- 5 protection of the work and its surrounding area from damage
- 6 ~~minimise damage and~~ maintain a **clean** clear and tidy work space
- 7 disposal of waste in accordance with **current** legislation

Performance Criteria 5

- 8 demonstration of work skills to measure, set out, cut, apply, position, secure and finish
- 9 use and maintain hand tools, portable power tools and **ancillary** associated equipment ?
- 10 fix tiles to vertical, horizontal and inclined surfaces to given working instructions for
 - 10.1 wall and floor tiles, mosaics and natural stone slabs
 - 10.2 reveals, cills and soffits (door and/or windows)
 - 10.3 staircase and landing

Performance Criteria 6

- 11 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

Comment [AF46]: AS – as this NOS used in L3 VQ then ok

Comment [PD47]: Our trade area is a finish decorative trade and should include that at level 3 a candidate provide evidence of patterned work , **Large** format tiles and an option to provide evidence of working in a wet room or wet area. I believe that a list of mandatory criteria and optional criteria should be developed here to ensure the qualification is relevant to industry and the high standards a tiler must reach now.
AF – see VR144, this and another unit 'additional' should they be optional?
PD at meet considered yes
AS if added to VR142 then not needed here otherwise include

COSVR143

Produce tiled, mosaic and stone surface finishes

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Fire extinguishers ????

- 3 water, CO₂, foam, powder and their uses

Hazards

- 4 those identified by risk assessment, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of ~~protection~~ prevention for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, ~~schedules~~, job details, method statements, risk assessments, COSHH assessments, manufacturers' information, ~~official guidance~~ and ~~current~~ wall and floor tiling recommendations ~~regulations governing buildings ??? / associated with ????~~

Legislation and official guidance

- 7 this relates to the operative's responsibilities regarding potential accidents, health hazards ~~and the environment~~ whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting

Maintenance

- 8 operative care of hand tools, portable power tools and ~~ancillary~~ associated equipment ???

COSVR143

Produce tiled, mosaic and stone surface finishes

Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
 - 9.1 fix and finish wall and floor tiles, mosaics and natural stone slabs to various surfaces, including staircase and landing (new and repair work)
 - 9.2 set designs with curves, circles, ellipses, obtuse and acute angles
 - 9.3 form reveals, cills and soffits (door and window openings)
 - 9.4 fix tiles using cement and sand beds
 - 9.5 fix angle trims and movement joints
 - 9.6 provide information for Building Information Modelling (BIM)
 - 9.7 recognise and determine when specialist skills and knowledge are required and report accordingly ???
 - 9.8 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance ???
 - 9.9 identify and follow the installation quality requirements???
 - 9.10 work with, around and in close proximity to plant and machinery???
 - 9.11 direct and guide the operations and movement of plant and machinery???
 - 9.12 use hand tools, portable power tools and associated equipment ???
 - 9.13 work at height
 - 9.14 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with producing tiles, mosaic and stone surface finishes

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

- 13 types of progress charts, timetables and estimated times
- 14 organisational procedures for reporting circumstances which will affect the work programme

Comment [AF48]: AS include 'correct use of sealants appropriate for stone tile type

Comment [AF49]: AS – is this needed?

Comment [PD50]: As before , all comments made in unit 141 apply across all units

COSVR143

Produce tiled, mosaic and stone surface finishes

Protect work

- 15 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

- 16 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 16.1 wall and floor tiles, mosaics, natural stone slabs, grout, adhesives, surface treatments, trims, movement joints, accessories
 - 16.2 fittings and fixings??
 - 16.3 hand tools, ~~and/or~~ portable powered tools and associated equipment
- 17 confirm resources and materials conform with the specification???
- 18 methods of calculating quantity, length, area and wastage associated with the method and procedure to produce tiled, mosaic and stone surface finishes

Security procedures

- 19 site, workplace, company and operative, vehicles???

COSVR144

Provide drainage for tiled surfaces



Overview

This standard is about positioning and installing drainage channels and outlets to the drainage system for tiled floors, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, ~~position and install drainage channels and outlets to the drainage system for tiled floors~~ ??

This standard is for people working in the occupational area of wall and floor tilers and can be used by operatives, supervisors and managers ??

Please review in the same way as standard COSVR141. You are now considering whether the elements of the standard are currently applicable to 'Provide drainage for tiled surfaces'. The comments I have made in COSVR141 may well be applicable for this unit. Bear in mind that pages 2, 3 and 4 in COSVR141 have not been repeated here.

The occupationally specific sections are again highlighted in orange.

COSVR144

Provide drainage for tiled surfaces

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, **schedules**, job details, method statements, risk assessments, control of substances hazardous to health (COSHH) assessments and manufacturers' information related to the work to be carried out ??

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to / at **least??** of the following
 - 2.1 methods of work
 - 2.2 safe use of health and safety control equipment
 - 2.3 **safe use of access equipment ????**
 - 2.4 safe use, storage **and handling** of materials, tools and equipment
 - 2.5 **specific risks to health ????**.
- 3 **safe use of fire extinguishers, as appropriate to the fire ???**

Performance Criteria 3

- 4 selection of resources associated with own work
 - 4.1 materials, components, **fixings** and accessories ???
 - 4.2 tools and equipment

Performance Criteria 4

- 5 protection of the work and its surrounding area from damage
- 6 ~~minimise damage and~~ maintain a **clean** clear and tidy work space
- 7 disposal of waste in accordance with **current** legislation

Performance Criteria 5

- 8 demonstration of work skills to measure, set out, cut, fit, finish, position and secure
- 9 use and maintain hand tools, portable power tools and **ancillary** associated equipment ?
- 10 installation to given working instructions of the following
 - 10.1 tiled floor surface drainage channels
 - 10.2 tiled floor surface drainage outlets
 - 10.3 proprietary drainage system

Performance Criteria 6

- 11 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

Comment [PD51]:

This is a great optional unit
PD at meet – 10.3 is difficult to get evidence for – should this be 2 from 3?
And then maybe make the derived unit optional rather than additional
AS – ok with all 3

COSVR144

Provide drainage for tiled surfaces

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Fire extinguishers ????

- 3 water, CO₂, foam, powder and their uses

Hazards

- 4 those identified by risk assessment, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of ~~protection~~ prevention for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, ~~schedules~~, job details, method statements, risk assessments, COSHH assessments, manufacturers' information, ~~official guidance~~ and ~~current~~ wall and floor tiling recommendations ~~regulations governing buildings ??? / associated with ????~~

Legislation and official guidance

- 7 this relates to the operative's responsibilities regarding potential accidents, health hazards ~~and the environment~~ whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting

Maintenance

- 8 operative care of hand tools, portable power tools and ~~ancillary~~ associated equipment ???

COSVR144

Provide drainage for tiled surfaces

Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
 - 9.1 install tiled floor surface drainage channels and drainage outlets
 - 9.2 insert and position proprietary drainage systems
 - 9.3 provide information for Building Information Modelling (BIM)
 - 9.4 recognise and determine when specialist skills and knowledge are required and report accordingly ???
 - 9.5 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance ???
 - 9.6 identify and follow the installation quality requirements???
 - 9.7 work with, around and in close proximity to plant and machinery???
 - 9.8 direct and guide the operations and movement of plant and machinery???
 - 9.9 use hand tools, portable power tools and associated equipment ???
 - 9.10 work at height ??
 - 9.11 use access equipment ??
- 10 team work and communication
- 11 needs of other occupations associated with providing drainage for tiled surfaces

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

- 13 types of progress charts, timetables and estimated times
- 14 organisational procedures for reporting circumstances which will affect the work programme

COSVR144

Provide drainage for tiled surfaces

Protect work

- 15 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

- 16 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 16.1 channels, outlets, fixings, fittings
 - 16.2 hand tools, ~~and/or~~ portable powered tools and associated equipment
- 17 confirm resources and materials conform with the specification???
- 18 methods of calculating quantity, length, area and wastage associated with the method/procedure to provide drainage for tiled surfaces

Security procedures

- 19 site, workplace, company and operative, vehicles???

COSVR149

Lay under tile heating systems and tile surfaces



Overview

This standard is about laying electrical under tile heating systems and laying tile surfaces to under tile and under floor heating systems, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, laying electrical under tile heating systems and laying tile surfaces to under tile and under floor heating systems ??

This standard is for people working in the occupational area of wall and floor tilers and can be used by operatives, supervisors and managers ??

Please review in the same way as standard COSVR141. You are now considering whether the elements of the standard are currently applicable to 'Lay under tile heating systems and tile surfaces'. The comments I have made in COSVR141 may well be applicable for this unit. Bear in mind that pages 2, 3 and 4 in COSVR141 have not been repeated here.

The occupationally specific sections are again highlighted in orange.

COSVR149

Lay under tile heating systems and tile surfaces

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, **schedules**, job details, method statements, risk assessments, control of substances hazardous to health (COSHH) assessments and manufacturers' information related to the work to be carried out ??

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to / at **least??** of the following
 - 2.1 methods of work
 - 2.2 safe use of health and safety control equipment
 - 2.3 safe use of access equipment ?????
 - 2.4 safe use, storage **and handling** of materials, tools and equipment
 - 2.5 **specific risks to health** ?????
- 3 **safe use of fire extinguishers, as appropriate to the fire** ???

Performance Criteria 3

- 4 selection of resources associated with own work
 - 4.1 materials, components, **fixings** and accessories ???
 - 4.2 tools and equipment

Performance Criteria 4

- 5 protection of the work and its surrounding area from damage
- 6 ~~minimise damage and~~ maintain a **clean** clear and tidy work space
- 7 disposal of waste in accordance with **current** legislation

Performance Criteria 5

- 8 **demonstration of work skills to measure, set out, cut, apply, finish, position and secure**
- 9 **use and maintain hand tools, portable power tools and ancillary associated equipment ?**
- 10 **position electrical under tile heating systems to horizontal surfaces to given working instructions**
- 11 **lay tile finish under tile heating systems to given working instructions**

Performance Criteria 6

- 12 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

Comment [AF52]: AS – 'to under tile heating'... add to?

Comment [PD53]: Another good optional unit
PD at meet make optional – not additional as is

COSVR149

Lay under tile heating systems and tile surfaces

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Fire extinguishers ????

- 3 water, CO₂, foam, powder and their uses

Hazards

- 4 those identified by risk assessment, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of ~~protection~~ prevention for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, ~~schedules~~, job details, method statements, risk assessments, COSHH assessments, manufacturers' information, ~~official guidance~~ and ~~current~~ wall and floor tiling recommendations ~~regulations governing buildings ??? / associated with ????~~

Legislation and official guidance

- 7 this relates to the operative's responsibilities regarding potential accidents, health hazards ~~and the environment~~ whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting

Maintenance

- 8 operative care of hand tools, portable power tools and ~~ancillary~~ associated equipment ???

COSVR149

Lay under tile heating systems and tile surfaces

Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
 - 9.1 position electrical under tile heating systems
 - 9.2 confirm commission procedures for under floor heating systems
 - 9.3 locate and provide movement joints
 - 9.4 lay tiles over under-tile heating systems
 - 9.5 lay tiles over under-floor heating systems
 - 9.6 provide information for Building Information Modelling (BIM)
 - 9.7 recognise and determine when specialist skills and knowledge are required and report accordingly ???
 - 9.8 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance ???
 - 9.9 identify and follow the installation quality requirements???
 - 9.10 work with, around and in close proximity to plant and machinery???
 - 9.11 direct and guide the operations and movement of plant and machinery???
 - 9.12 use hand tools, portable power tools and associated equipment ???
 - 9.13 work at height ?
 - 9.14 use access equipment ?
- 10 team work and communication
- 11 needs of other occupations associated with laying under-tile heating systems and tiling surfaces

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

- 13 types of progress charts, timetables and estimated times
- 14 organisational procedures for reporting circumstances which will affect the work programme

Comment [AF54]: AS add 'and insulation board or compounds when required'

Comment [AF55]: SL I think this is the unit where this is most relevant

COSVR149

Lay under tile heating systems and tile surfaces

Protect work

- 15 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

- 16 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 16.1 electric under tile heating systems
 - 16.2 under-floor heating systems
 - 16.3 floor tiles, grouts, adhesives, floor screeds, levelling compounds, trims, movement joints, accessories
 - 16.4 fittings and fixings ??
 - 16.5 hand tools, and/or portable powered tools and associated equipment
- 17 confirm resources and materials conform with the specification???
- 18 methods of calculating quantity, length, area and wastage associated with the method and procedure to lay under-tile heating systems and tile surfaces

Security procedures

- 19 site, workplace, company and operative, vehicles???

Comment [AF56]: AS add insulation boards/compounds

COSVR626

Prepare and apply tiling materials



Overview

This standard is about preparing and applying tiling materials to receive wall and floor tiling interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, preparing and applying tiling materials to receive wall and floor tiling ??

This standard is for people working in the occupational area of wall and floor tilers and can be used by operatives, supervisors and managers ??

Comment [AF57]: PD at meet – is this NOS needed – used in level 1 – no one does in NI.
AF Ofqual stats suggest not unreasonable numbers do use level 1. However this may have changed since.

Please review in the same way as standard COSVR141. You are now considering whether the elements of the standard are currently applicable to 'Prepare and apply tiling materials'. The comments I have made in COSVR141 may well be applicable for this unit. Bear in mind that pages 2, 3 and 4 in COSVR141 have not been repeated here.

The occupationally specific sections are again highlighted in orange.

COSVR626

Prepare and apply tiling materials

Performance criteria

- You must be able to:
- P1 interpret the given information relating to the work and resources to confirm its relevance
 - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices
 - P3 select the required quantity and quality of resources for the methods of work
 - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P5 comply with the given contract information to carry out the work efficiently to the required specification
 - P6 complete the work within the allocated time, in accordance with the programme of work

COSVR626

Prepare and apply tiling materials

Knowledge and understanding

Performance Criteria 1

Interpretation of information

You need to know and understand:

- K1 the organisational procedures developed to report and rectify inappropriate ~~information/instruction~~ **information** and unsuitable **resources**, and how they are implemented
- K2 the types of ~~information/instructions~~ **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the ~~information/instructions~~ **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of ~~information/instructions~~ **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 **the types of fire extinguishers and how and when they are used??**
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **health and safety control equipment** should be used
- K10 **how to comply with environmentally responsible work practices to meet current legislation and official guidance**

COSVR626

Prepare and apply tiling materials

Performance Criteria 3

Selection of resources

You need to know and understand:

- K11 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K12 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K13 the organisational procedures to select **resources**, why they have been developed and how they are used
- K14 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K15 how to **protect work** from damage and the purpose of protection
- K16 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K17 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K18 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K19 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR626

Prepare and apply tiling materials

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of instructions in relation to drawings, specifications, **schedules**, job details, method statements, risk assessments, control of substances hazardous to health (COSHH) assessments and manufacturers' information related to the work to be carried out ??

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to / at **least??** of the following
 - 2.1 methods of work
 - 2.2 safe use of health and safety control equipment
 - 2.3 **safe use of access equipment?**
 - 2.4 safe use, storage **and handling** of materials, tools and equipment
 - 2.5 **specific risks to health ????**.
- 3 **safe use of fire extinguishers, as appropriate to the fire ???**

Performance Criteria 3

- 4 selection of resources associated with own work
 - 4.1 materials, components, **fixings** and accessories ???
 - 4.2 tools and equipment

Performance Criteria 4

- 5 protection of the work and its surrounding area from damage
- 6 ~~minimise damage and~~ maintain a **clean** clear and tidy work space
- 7 disposal of waste in accordance with **current** legislation

Performance Criteria 5

- 8 demonstration of work skills to gauge and mix
- 9 use and maintain hand tools, portable power tools and **ancillary** associated equipment ?
- 10 preparation and application of tiling materials to new and/or existing surfaces (to receive ceramic and natural stone wall and floor tiling) to given working instructions

Performance Criteria 6

- 11 completion of own work within the **estimated, allocated** time allowed to **meet the needs of other occupations and/or client**

Comment [PD58]: Consideration of the use of tiling materials as the only reference to materials to be used in background preparation. For example there are a lot of non tiling materials used in background prep that are as relevant and wide ranging. AS VR141 covers background preparation. This refers to adhesives and grouts for applying tiles.

COSVR626

Prepare and apply tiling materials

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Fire extinguishers ????

- 3 water, CO₂, foam, powder and their uses

Hazards

- 4 those identified by risk assessment, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of ~~protection~~ prevention for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, ~~schedules~~, job details, method statements, risk assessments, COSHH assessments, manufacturers' information, ~~official guidance~~ and ~~current~~ wall and floor tiling recommendations ~~regulations governing buildings ??? / associated with ????~~

Legislation and official guidance

- 7 this relates to the operative's responsibilities regarding potential accidents, health hazards ~~and the environment~~ whilst working in the workplace, ~~below ground level~~, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting

Maintenance

- 8 operative care of hand tools, ~~and/or~~ portable power tools and ~~ancillary~~ associated equipment ???

COSVR626

Prepare and apply tiling materials

Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
 - 9.1 identify suitability of backgrounds prior to preparation/application
 - 9.2 prepare and apply adhesives and grouts, primers and ancillary products
 - 9.3 provide information for Building Information Modelling (BIM)
 - 9.4 recognise and determine when specialist skills and knowledge are required and report accordingly ???
 - 9.5 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance ???
 - 9.6 identify and follow the installation quality requirements???
 - 9.7 work with, around and in close proximity to plant and machinery???
 - 9.8 direct and guide the operations and movement of plant and machinery???
 - 9.9 use hand tools, portable power tools and associated equipment ???
 - 9.10 work at height
 - 9.11 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with preparing and applying tiling materials

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

- 13 types of progress charts, timetables and estimated times
- 14 organisational procedures for reporting circumstances which will affect the work programme

COSVR626

Prepare and apply tiling materials

Protect work

- 15 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

- 16 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 16.1 adhesives, grouts, accessories
 - 16.2 fittings and fixings ??
 - 16.3 hand tools, ~~and/or~~ portable powered tools and associated equipment
- 17 confirm resources and materials conform with the specification???
- 18 methods of calculating quantity, length, area and wastage associated with the method and procedure to prepare and apply tiling materials

Security procedures

- 19 site, workplace, company and operative, vehicles???

Comment [AF59]: PD at meet – not needed
AS agree for this NOS

COSVR627

Prepare tiles for fixing

Overview

This standard is about preparing and cutting wall and floor tiles, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, preparing and cutting wall and floor tiles ??

This standard is for people working in the occupational area of floorers and wall tilers and can be used by operatives, supervisors and managers ??

Please review in the same way as standard COSVR141. You are now considering whether the elements of the standard are currently applicable to 'Prepare tiles for fixing'. The comments I have made in COSVR141 may well be applicable for this unit. Bear in mind that pages 2, 3 and 4 in COSVR141 have not been repeated here.

The occupationally specific sections are again highlighted in orange.

Comment [AF60]: PD at meet – is this NOS needed?

COSVR627

Prepare tiles for fixing

Performance criteria

You must be able to:

- P1 interpret the given information relating to the work and resources to confirm its relevance
- P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices
- P3 select the required quantity and quality of resources for the methods of work
- P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
- P5 comply with the given contract information to carry out the work efficiently to the required specification
- P6 complete the work within the allocated time, in accordance with the programme of work

COSVR627

Prepare tiles for fixing

Knowledge and understanding

Performance Criteria 1

Interpretation of information

You need to know and understand:

- K1 the organisational procedures developed to report and rectify inappropriate information/instructions information and unsuitable **resources**, and how they are implemented
- K2 the types of information/instructions information, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the information/instructions information and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of information/instructions information for relevant, current **legislation and official guidance** and how it is applied
- K5 **the types of fire extinguishers and how and when they are used??**
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **health and safety control equipment** should be used
- K10 **how to comply with environmentally responsible work practices to meet current legislation and official guidance**

COSVR627

Prepare tiles for fixing

Performance Criteria 3

Selection of resources

You need to know and understand:

- K11 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K12 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K13 the organisational procedures to select **resources**, why they have been developed and how they are used
- K14 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K15 how to **protect work** from damage and the purpose of protection
- K16 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K17 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K18 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K19 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR627

Prepare tiles for fixing

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of instructions in relation to drawings, specifications, **schedules**, job details, method statements, risk assessments, control of substances hazardous to health (COSHH) assessments and manufacturers' information related to the work to be carried out ??

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to / at **least??** of the following
 - 2.1 methods of work
 - 2.2 safe use of health and safety control equipment
 - 2.3 **safe use of access equipment ?**
 - 2.4 safe use, storage **and handling** of materials, tools and equipment
 - 2.5 **specific risks to health ????**.
- 3 **safe use of fire extinguishers, as appropriate to the fire ???**

Performance Criteria 3

- 4 selection of resources associated with own work
 - 4.1 materials, components, **fixings** and accessories ???
 - 4.2 tools and equipment

Performance Criteria 4

- 5 protection of the work and its surrounding area from damage
- 6 ~~minimise damage and~~ maintain a **clean** clear and tidy work space
- 7 disposal of waste in accordance with **current** legislation

Performance Criteria 5

- 8 **demonstration of work skills to measure, mark and cut**
- 9 **use and maintain hand tools, portable power tools and **ancillary** associated equipment ?**
- 10 **preparation for, and cutting, ceramic, porcelain and natural stone wall and floor tiles to given working instructions**
 - 10.1 **wet cutting**
 - 10.2 **hand operated cutting tools**

Performance Criteria 6

- 11 completion of own work within the **estimated, allocated** time allowed to **meet the needs of other occupations and/or client**

Comment [PD61]: Seems to be at correct level

COSVR627

Prepare tiles for fixing

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Fire extinguishers ????

- 3 water, CO₂, foam, powder and their uses

Hazards

- 4 those identified by risk assessment, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of ~~protection~~ prevention for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, ~~schedules~~, job details, method statements, risk assessments, COSHH assessments, manufacturers' information, ~~official guidance~~ and ~~current~~ wall and floor tiling recommendations ~~regulations governing buildings ??? / associated with ????~~

Legislation and official guidance

- 7 this relates to the operative's responsibilities regarding potential accidents, health hazards ~~and the environment~~ whilst working in the workplace, ~~below ground level~~, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting

Maintenance

- 8 operative care of hand tools, ~~and/or~~ portable power tools and ~~ancillary~~ associated equipment ???

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Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
 - 9.1 prepare and cut ceramic, porcelain and natural stone wall and floor tiles
 - 9.2 provide information for Building Information Modelling (BIM)
 - 9.3 recognise and determine when specialist skills and knowledge are required and report accordingly ???
 - 9.4 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance ???
 - 9.5 identify and follow the installation quality requirements???
 - 9.6 work with, around and in close proximity to plant and machinery???
 - 9.7 direct and guide the operations and movement of plant and machinery???
 - 9.8 use hand tools, portable power tools and associated equipment ???
 - 9.9 work at height
 - 9.10 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with preparing tiles for fixing

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

- 13 types of progress charts, timetables and estimated times
- 14 organisational procedures for reporting circumstances which will affect the work programme

Comment [AF62]: AS – would any of this be relevant in preparing tiles?
AF 9.3, 9.5 and 9.6 (machinery), 9.7 (machinery) could still be relevant as a minimum?

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Protect work

- 15 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

- 16 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 16.1 ceramic, porcelain and natural stone tiles, accessories
 - 16.2 fittings and fixings ?
 - 16.3 hand tools, ~~and/or~~ portable powered tools and associated equipment
- 17 confirm resources and materials conform with the specification???
- 18 methods of calculating quantity, length, area and wastage associated with the method and procedure to prepare tiles for fixing

Security procedures

- 19 site, workplace, company and operative, vehicles???

Comment [AF63]: PD at meet – not needed