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Developer’s Pack National Occupational Standards for Associated Industrial Services (Construction) Façade Preservation

Project 2018

VR152, VR153

Comment [AF1]: Is title still appropriate?

Comment [AF2]: JF 10-08 review titles of ‘pathway’ and NOS?

Comment [AF3]: IW 10-08 change title

Comment [AF4]: NSITG 23-08 I approached a few members about the name change possibility and they weren’t keen which is different from other gathered comments. They pointed out: The Façade Preservation course does include restoration (repairs) which is not solely cleaning – there are two routes for this NVQ one is cleaning and the other is restore VR152 and VR153. Candidates can do both units or choice of one.

Comment [AF5]: GROUP 27-09-18 felt title was still appropriate and had changed to this at the last review

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

Sept 2018



Contents

	Page no.
Revised NOS:	
VR152 v23 Clean façade surfaces	1
VR153 v23 Restore masonry façades surfaces	10

COSVR152 Clean façade surfaces



List of the suite of NOS within Associated Industrial Services

AOR = Accessing Operations and Rigging

CCEO = Construction and Civil Engineering Services

PFP = Passive Fire Protection

WO = Wood Occupations

VR84 v2	Set up and prepare water jetting equipment
VR85 v2	Remove materials/deposits by water jetting
VR86 v2	Cut and break materials by water jetting
VR152 v23	Clean façade surfaces
VR153 v23	Restore masonry façades surfaces
VR250	Erect and dismantle access/working platforms AOR
VR350 v3	Install dry cladding
VR351 v3	Apply intumescent coatings
VR352 v3	Install fire resisting ductwork systems
VR353 v3	Install fire stopping
VR354 v3	Install cavity barriers
VR355 v3	Erect fire resisting walls and linings PFP review July 2017
VR356 v3	Erect fire resisting ceiling systems PFP review July 2017
VR357 v3	Apply non-reactive spray coatings PFP review July 2017
VR358 v3	Install fire resisting timber door-sets
VR360 v4	Install, maintain and remove work area protection and safety equipment CCEO
VR541 v1	Assess area for repair and resurfacing
VR542 v1	Prepare area for repair and resurfacing
VR543 v1	Repair and resurface damaged area
VR619 v2	Install protective components AIS – CRO reviewed August 2017
VR641	Conform to general workplace health, safety and welfare WO
VR642	Conform to productive work practices WO
VR643	Move, handle or store resources WO

Comment [AF6]: These are the standards being considered

COSVR152

Clean façade surfaces



Overview

This standard is about cleaning façade surfaces, incorporating cleaning techniques appropriate to the masonry and/or non-masonry construction, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and associated equipment. ~~preparing and cleaning masonry and/or non-masonry façades ??~~

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

Comment [AF7]: IW 14-08 stone cleaning in Scotland is completely different to England and that needs to be drawn out a bit more – Scotland does not 'clean' stone to the same extent as elsewhere in the UK – it's the stone make up that determines this.

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?

COSVR152 Clean façade surfaces

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 current legislation ~~special legal status documents,~~ and official guidance ~~and organisational procedures 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 ~~request resources to sustain equipment operations to complete the programme 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 ~~carry out pre-use preparation inspections on equipment in accordance with given procedures~~
 - P6 complete the work within the allocated time, in accordance with the programme of work ~~start up and operate equipment in accordance with safe working practices to achieve the work outcome~~

THIS PAGE (WITHIN NOS COSVR152) WILL ALSO EVENTUALLY APPEAR WITHIN THE ACTUAL NOS OF COSVR153. AS THIS IS EXACTLY THE SAME IN EACH OF THESE NOS, I HAVE SHOWN IT ONLY ONCE. WHEN REVIEWING, IT SHOULD BE CONSIDERED FOR VR152 AND VR153.

COSVR152

Clean façade surfaces

Knowledge and understanding

You need to know and understand:

Performance Criteria 1 Interpretation of information

- K1 ~~the operating information and legislation appropriate to the equipment~~
- K2 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K3 the types of **information**, their source and how they are interpreted
- K4 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Comment [AF8]: K1 to K20 are performance criteria that the operative or worker should know and understand

Performance Criteria 2 Safe work practices

You need to know and understand:

- K5 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K6 ~~the types of fire extinguishers and how and when they are used ????~~
- K7 how **emergencies** should be responded to and who should respond
- K8 the organisational **security procedures** for tools, equipment and personal belongings
- K9 what the accident reporting procedures are and who is responsible for making the report
- K10 ~~why and when personal protective equipment (PPE) should be used~~
why, when and how **health and safety control equipment** should be used
- K11 ~~how to comply with environmentally responsible work practices to meet current~~ **legislation and official guidance**

Comment [AF9]: You may feel that a knowledge and understanding of this is relevant, in which case it should be included

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COSVR152

Clean façade surfaces

Performance Criteria 3

Selection of resources

You need to know and understand:

- K12 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K13 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K14 the organisational procedures ~~for requisitioning consumables and other~~ to **select resources**, why they have been developed and how they are used
- K15 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:

- K16 how to **protect work** from damage and the purpose of protection
- K17 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:

- K18 how **methods of work**, to meet the specification, are carried out and **problems** reported ~~the methods of work for pre-use checks needed before operating the equipment~~
- K19 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K20 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 COSVR152) WILL ALSO EVENTUALLY APPEAR WITHIN THE ACTUAL NOS OF COSVR153. AS THIS IS EXACTLY THE SAME IN EACH OF THESE NOS, I HAVE SHOWN IT ONLY ONCE. WHEN REVIEWING, IT SHOULD BE CONSIDERED FOR VR152 AND VR153.

COSVR152

Clean façade surfaces

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

1 interpretation of specifications using drawings, specifications, schedules, method statements, risk assessments and manufacturers' information related to the work to be carried out ????

Performance Criteria 2

2 avoidance of risk by following-complying with the given information relating to /at least?? of the following

- 2.1 methods of work
- 2.2 safe use of personal protective equipment (PPE) 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 and fixings ???
- 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 sample patch, measure quantify, assemble, dismantle, clean, brush, apply, jet and spray
- 9 use and maintain hand tools, portable power tools and ancillary associated equipment
- 10 record surface conditions and clean façades by either chemical and/or non-chemical methods to given working instructions for the following flat, textured and moulded masonry and/or non-masonry
 - 10.1 masonry: flat, textured and moulded natural stone; art-composite stone; burnt fired clay; cast concrete
 - 10.2 non-masonry: flat, textured and moulded metal, plastic, plastic-coated materials, wood, glass

Performance Criteria 6

11 completion of own work within the estimated, allocated time to meet the

Comment [AF10]: PC1 to PC6 are what the operative or worker should be able to do

Comment [AF11]: GROUP 27-09 considered other comments and agreed that operatives will generally not see the specification, but should have knowledge of this. The operative will need to use 'other' sources of information which will relate to the specification and their work specifically.

Comment [AF12]: JW 10-08 is it assumed that a specification will already have been prepared – not always the case

Comment [AF13]: NSITG 14-08 assumption that specification and plans will be available, which may not be the case – as a result selection of appropriate materials and techniques to suit individual project does not appear to be covered.

Comment [AF14]: GROUP 27-09-18 considered that operatives should know and understand about the safe use of fire extinguishers - but should not need to demonstrate competence. In most instances there would be dedicated fire marshalls and operatives would not be expected to use fire extinguishers

Comment [AF15]: You may feel that it is not a 'skill' that operatives or workers need to demonstrate or perform in order to be considered competent, that they just need to know and understand about their use. As fire training can be quite costly, many businesses will have nominated employees with these skills, rather than ...

Comment [AF16]: GROUP 27-09-18 not considered appropriate when 'cleaning' although accepted that tools and equipment could include 'components'.

Comment [AF17]: PC5 highlights the main occupational skills, what you must be able to do, directly related to cleaning façade surfaces

Comment [AF18]: JF 10-08 does this include 'selective cleaning or other approach and techniques, or risks associated with them. ...

Comment [AF19]: GROUP 27-09-18 considered that either method or combination could be used to demonstrate skill.

Comment [AF20]: See PC1 comments above – could this be expanded to include 'or as determined appropriate'? or is this a different 'function'? This NOS is clean facade surfaces. Is another function acro ...

Comment [AF21]: GROUP 27-09-18 considered that the 'flat, textured and moulded' should apply to both masonry and non-masonry and for each material

Comment [AF22]: GROUP 27-09-18 considered this term covered a wider range of masonry materials

COSVR152

Clean façade surfaces

Scope/range related to knowledge and understanding

needs of other occupations and/or client

Disposal of waste

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

Comment [AF23]: Scope/range 1-19 details further knowledge and understanding. This item, no1 relates back to K17 and ability/skill PC4 (7)

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

Comment [AF24]: This would relate to K6, 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

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 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)

Comment [AF25]: This would relate to K10 – all applicable?

Information

- 6 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and oral/written instructions, official guidance and current regulations governing buildings and ???/ associated with ???-façade preservation

Comment [AF26]:current regulations governing buildings OR current regulations associated with this standard, 'Clean façade surfaces'

Comment [AF27]: GROUP 27-09-18 considered adding this would address point below. Operatives do not need to know specific mechanics of equipment, but should know how to use, in different situations and how to minimise problems or causes of failure. Understanding of specific systems should be gained through training as and when systems are updated or changed.

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 and/or in confined spaces, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting ???

Comment [AF28]: NSITG 14-08 give thoughts to operation of machines and maintenance (the main down time we have as contractors is due to the operatives being able to use the machine but not understanding the mechanics of it ... and how to close it down correctly which would eradicate a lot of problems for the next day/ next time it's used i.e. descaling of doff/thermatech systems and clearing air valves from Torc etc (and understanding the materials used and the different harshness/results from each).

Maintenance

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

Whilst I appreciate the standard looks at how to clean / repair I feel without some knowledge / understanding of the systems the standard might be falling short.

Alternatively we need to encapsulate this in the Level 2

COSVR152

Clean façade 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 record surface condition of façade
 - 9.2 prepare and clean flat, textured and moulded: natural stone, composite stone, burnt fired clay, cast stone, concrete and/or metal, plastic, plastic-coated materials, wood, glass
 - 9.3 apply chemical cleaning processes
 - 9.4 secure temporary protection
 - 9.5 provide information for Building Information Modelling (BIM)
 - 9.6 recognise and determine when specialist skills and/or knowledge are required and report accordingly ???
 - 9.7 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance ???
 - 9.8 identify and follow the installation quality requirements ???
 - 9.9 work with, around and in close proximity to plant and machinery ???
 - 9.10 direct and guide the operations and movement of plant and machinery within the work area ???
 - 9.11 use hand tools, portable power tools and associated equipment ???
 - 9.12 work below ground level, in confined spaces and at height ???
 - 9.13 use and have an awareness of access equipment
- 10 team work and communication
- 11 needs of other occupations associated with façade cleaning

Personal protective equipment (PPE)

10 — occupational use, types, purpose of each type and work situations

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 [AF29]: This highlights in more detail what should specifically be known and understood and be able apply when assessing 'clean faced surfaces'

Comment [AF30]: DP 20-08 I find that some of the details in orange are not really appropriate for a level 2 person as many of the points would be covered by their superiors.

Comment [AF31]: 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 to their supervisor or client

Comment [AF32]: 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.

Comment [AF33]: GROUP 27-09-18 cleaning not an installation, but still quality requirements

Comment [AF34]: GROUP 27-09-18 felt that 'within the work area' would better define this

Comment [AF35]: Mobile elevating platforms? Would the operative worker do this, or would a sub-contractor be used to do this?

Comment [AF36]: GROUP 27-019-18 felt that 'associated' easier to understand than 'ancillary' and consistent with elsewhere in NOS

Comment [AF37]: GROUP 27-09-18 felt that if 'work at height' was added, then other environments where they are likely to work should also be included, as K&U pt7

COSVR152

Clean façade 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 water, chemical cleaners, abrasives, protective materials

~~16.2 fittings and fixings ??~~

16.3 hand tools, ~~and/or~~ portable power tools and associated equipment ?

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

18 methods of calculating quantity, ~~length, area~~ and wastage of materials associated with the method and procedure to clean façade surfaces?????

Security procedures

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

Comment [AF38]: This relates back to PC3. Specifically to assessing 'clean façade surfaces'. What resources would/would not be needed? Are there calculations to make, I presume so?

Comment [AF39]: GROUP 27-09-18 not considered appropriate

Comment [AF40]: GROUP 27-09-18 in cleaning not really relevant

Comment [AF41]: If operatives are also responsible for a vehicle, this is normally also included

COSVR152

Clean façade surfaces

Developed by	ConstructionSkills
Version number	2 3
Date approved	January 2010 **** 2018/19
Indicative review date	February 2014 **** 2021/22
Validity	Current
Status	Original
Originating organisation	ConstructionSkills
Original URN	VR152
Relevant occupations	Industrial Cleaning Process Occupations ?? is this correct or is another SOC code more relevant?, Bricklayers and Masons
Suite	Associated Industrial Services (Construction)
Key words	Façade cleaning; Chemical-cleaning; Chemical cleaners ; Abrasive cleaning systems; Water cleaning; Cast stone Masonry cleaning; Non-masonry cleaning Art stone Façade cleaning; brick cleaning, concrete cleaning, stone cleaning, natural stone cleaning, composite stone cleaning, fired clay cleaning , cast concrete cleaning

Comment [AF42]: IW 10-07 add Stone Masonry occupations

So should brick and concrete be classed separately also – or just masonry

AF to check

Comment [AF43]: Would seem applicable to the 'restore' NOS, will leave out of 'clean' on final version,

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

Overview

This standard is about preparing and carrying out restoration and repairs to structural masonry façades, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, ~~preparing and carrying out restoration and repairs to structural façades ??~~

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

Please review in the same way as standard COSVR152. You are now considering whether the elements of the standard are currently applicable to 'Restore façade surfaces'. The comments I have made in COSVR152 may well be applicable for this unit. Bear in mind that pages 2, 3 and 4 in COSVR152 have not been repeated here.

The occupationally specific sections are again highlighted in orange.

Comment [AF44]: GROUP 27-09-18 group considered comment below. Considered that there is some crossover – as there is with other occupations. The 'clean' NOS relates to masonry and non-masonry, whereas this NOS relates just to masonry facades. Adding masonry was considered more specific.

Comment [AF45]: IW 14-08 is this NOS straying into stone masonry?

Additional Information

Scope/range related to performance criteria

- 1 interpretation of specifications using drawings, specifications, schedules, method statements, risk assessments and manufacturers' information related to the work to be carried out ????

Performance Criteria 2

- 2 avoidance of risk by following complying with the given information relating to /at least?? of the following
 - 2.1 methods of work
 - 2.2 safe use of ~~personal protective equipment (PPE)~~ 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 and fixings ???
 - 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 out, cut, fit, mix, spread, dress, descale, point, position and secure
- 9 use and maintain hand tools, portable power tools and ancillary associated equipment
- 10 record surface conditions and restore in-situ units, façades and joints to given working instructions for flat, textured and moulded masonry: natural stone, composite stone, fired clay, cast concrete the following
 - 10.1 flat, textured and moulded natural stone
 - 10.2 burnt clay, art stone and concrete

Performance Criteria 6

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

Disposal of waste

Scope/range related to knowledge and

Comment [AF46]: GROUP 27-09-18 listed in similar manner to the 'clean' NOS

understanding

- 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 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, method statements, risk assessments, manufacturers' information and oral/written instructions, official guidance and current regulations governing buildings and ???/ associated with ??? façade preservation

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 ~~and/or confined spaces~~, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting ???

Maintenance

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

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 record surface condition of façade
- 9.2 prepare and restore flat, textured and moulded masonry: natural stone, composite stone, fired clay , cast concrete, art stone, burnt clay, concrete
- 9.3 position and fix materials
- 9.4 point masonry joints
- 9.5 mix materials and bonding agents
- 9.6 secure temporary protection
- 9.7 provide information for Building Information Modelling (BIM)
- 9.8 recognise and determine when specialist skills and/or 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???—within the work area
- 9.13 use hand tools, portable power tools and associated equipment ???
- 9.14 work below ground level, in confined spaces and at height ??
- 9.15 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with restoration and repair of structural masonry façades

Personal protective equipment (PPE)

~~10—occupational use, types, purpose of each type and work situations~~

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

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 cements, limes, aggregates, additives, reinforcement, proprietary mortars, synthetic compounds, protective materials, ~~fixings, fittings~~
 - 16.2 ~~fittings and fixings~~ ??
 - 16.3 hand tools, ~~and/or~~ portable power tools and associated equipment ??
- 17 confirm resources and materials conform with the specification ???
- 18 methods of calculating quantity, length, area and wastage of materials associated with the method and procedure to ~~te~~ restore façade surfaces

Security procedures

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

Comment [AF47]: GROUP 27-09-18 felt that length and area may be applicable when restoring masonry facades