

ASTIND1 - SQA Unit Code H54T 04

Prepare for and carry out industrial pressure cleaning operations



Overview

This standard is about preparing for and carrying out industrial pressure cleaning. It includes confirming instructions, gathering the required equipment and materials and carrying out industrial pressure cleaning operations

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Performance criteria

Get and confirm instructions and specific details of industrial pressure cleaning operations to be carried out

- You must be able to:*
- P1 get sufficient correct **details** about the pressure cleaning operations that you are required to carry out
 - P2 get sufficient **instructions or specific information** that could affect pressure cleaning operations
 - P3 have the **authority** to carry out the pressure cleaning operations
 - P4 clarify any details, instructions or specific information that you do not understand

Collect equipment and materials required

- You must be able to:*
- P5 get sufficient details about what **equipment, tools and materials** you might need
 - P6 confirm that equipment, tools and materials are available when you need them
 - P7 confirm that all equipment and tools are operating properly and are safe for you to use
 - P8 take appropriate action if tools and equipment are not operating properly and are not safe for you to use
 - P9 confirm that you have sufficient materials and that they are stored according to suppliers' instructions
 - P10 confirm that any **instructions** for use of equipment, tools or materials are up to date
 - P11 confirm that the instructions provide the information you need where appropriate

Prepare work area, equipment and materials for use

- You must be able to:*
- P12 **prepare work area** for industrial pressure cleaning operations following instructions and correct procedures
 - P13 set up tools for the **pressure cleaning operations** to be carried out, **surfaces** to be cleaned and types of **dirt** to be removed following manufacturers' or suppliers' instructions
 - P14 take action to protect other people from harm in line with guidelines or codes of practice
 - P15 wear **personal protective equipment** appropriate for the pressure cleaning operations

Carry out industrial pressure cleaning operations

- You must be able to:*
- P16 comply with the relevant health and safety guidelines and requirements to ensure the safety of yourself and others
 - P17 carry out the cleaning operations in line with your instructions and the

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- correct procedures
- P18 use equipment, tools and materials safely and effectively, following **instructions** and the correct **procedures**
- P19 use only sufficient **pressure** to remove dirt and prevent damage to surfaces being cleaned
- P20 take prompt action to deal with any accidental **damage** caused through pressure cleaning operations
- P21 take appropriate action if there is a fault with the equipment
- P22 ensure that you leave all surfaces free of dirt

Complete industrial pressure cleaning operations

- You must be able to:*
- P23 wear the correct **personal protective equipment** suitable for the **waste** involved
 - P24 make sure that work areas are clear of waste
 - P25 use the correct **containers** for disposing of waste
 - P26 handle and remove the waste safely and according to regulations, instructions and good practice
 - P27 make sure that waste and containers are taken safely to allocated collection points, and make secure where necessary
 - P28 take the correct **action** to deal with damaged or **unserviceable** equipment or tools
 - P29 maintain stocks of consumable materials
 - P30 return the equipment, tools and materials to their correct storage locations

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Knowledge and understanding

You need to know and understand:

Get and confirm instructions and specific details of industrial pressure cleaning operations to be carried out

- K1 the instructions or specific information you might need to carry out pressure cleaning operations
- K2 how to get more information when you need it
- K3 the authority you need to carry out pressure cleaning operations, why you need it and from where you get this authority
- K4 whether you need to have been trained to use pressure cleaning equipment, tools or materials
- K5 why it is important to have been trained to use pressure cleaning equipment, tools or materials

Collect equipment and materials required

You need to know and understand:

- K6 the types of equipment, tools and materials you need and from where to get them;
- K7 why it is important that you confirm the proper operation of all equipment and tools;
the actions to take if the equipment and tools cannot be used;
- K8 the safety requirements for using equipment, tools and materials, including the Health and Safety at Work Act (HASAW) and Control of Substances Hazardous to Health (COSHH) requirements
- K9 where and how to get specialist equipment, tools or materials when you need them
- K10 when and where to get instructions on the use of equipment, tools and materials when you need them

Prepare work area, equipment and materials for use

You need to know and understand:

- K11 where to get information on how to prepare work areas and the importance of following this information
- K12 how to set up tools for types of pressure cleaning operations, surfaces and dirt to be removed
- K13 the action to take to protect yourself and other people from harm and the consequences of you not doing so
- K14 the personal protective equipment appropriate for the pressure cleaning operation involved, where it can be obtained and why you should use it

Carry out industrial pressure cleaning operations

You need to know and understand:

- K15 why it is important that you follow the manufacturers' instructions when you use the equipment, tools and materials and understand the consequences of not doing so
- K16 how to determine the correct pressure for the surfaces you are cleaning

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and why this is important

- K17 the hazards associated with pressure cleaning operations and how you can prevent them
- K18 the action to take if a pressure cleaning operation cannot be completed
- K19 what to do if any damage occurs during pressure cleaning operations
- K20 why it is important to take action if any damage or disruption occurs
- K21 the action to take if there is a fault with the equipment

Complete industrial pressure cleaning operations

You need to know and understand:

- K22 the personal protective equipment required for the waste involved
- K23 where to get personal protective equipment and why you should use it
- K24 the hazards associated with typical waste from pressure cleaning operations
- K25 the correct containers for the waste involved
- K26 where the correct containers are located
- K27 why it is important to handle and dispose of the waste safely according to current legislation and instructions
- K28 where to get information on handling and disposing of waste safely
- K29 the allocated collection points for waste containers
- K30 how to secure waste containers and why this is important
- K31 how to identify damaged or unserviceable equipment, tools and materials
- K32 the action to take to deal with damaged and unserviceable equipment
- K33 the appropriate arrangements for maintaining stocks of consumable materials

Additional Information

Scope/range

Get and confirm instructions and specific details of industrial pressure cleaning operations to be carried out

- 1 **details** of: location of equipment; type of equipment; access to and availability of equipment; security restrictions; waste disposal requirements; materials required
- 2 **instructions or specific information** from: your client; your own organisation's procedures
- 3 **authority** from: your client; your own organisation e.g. access to sensitive, hazardous or restricted areas

Collect equipment and materials required

- 4 **equipment**: protective clothing; warning signs as required by your client or your own organisation's procedures
- 5 **tools**: hand tools; power **tools**; specialist tools
- 6 **materials**: cloths; consumables; cleaning agents
- 7 **instructions** from: your client; your own organisation; manufacturers

Prepare work area, equipment and materials for use

- 8 **prepare work area**: erect barriers; set up warning signs; prepare drainage systems; erect ladders and similar access equipment; set up temporary lighting; set up generators
- 9 **pressure cleaning operations**: unblocking pipes; removing dirt from walls or floors
- 10 **surfaces**: hard; semi-hard; sensitive; porous; non-porous.
- 11 **dirt**: paint; oil; grease; soil; dust
- 12 **personal protective equipment**: gloves; masks; goggles; ear defenders; safety boots; hard hat; coveralls

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- 13 instructions and procedures from: **manufacturers; your own organisation; your clients**
- 14 **unit of pressure**: **pounds per square inch (psi); bar**
- 15 **damage** to: work area; equipment

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- 16 **personal protective equipment**: gloves; masks; goggles; ear defenders; safety boots; hard hat; coveralls.

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- 17 **waste:** paint; oil; grease; soil: dust
- 18 correct **containers** suitable for waste that is: hazardous; non hazardous.
- 19 **action:** report details of unserviceable equipment to the relevant person; take equipment to the relevant person; carry out refilling, servicing or cleaning where authorised
- 20 **unserviceable** because: does not operate properly; requires refilling, servicing or cleaning

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