

ASTFFL2 - SQA Unit Code H54D 04

Assess and estimate work required to limit damage to structures post fire



Overview

- 1 Confirm extent and nature of damage caused to structures by fire
- 2 Carry out risk assessments to confirm premises are safe to work in
- 3 Determine work required to limit damage to structures
- 4 Determine cost and produce reports of damage limitation work required

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Performance criteria

Confirm extent and nature of damage caused to structures by fire

You must be able to:

- P1 have **permission** before entering the premises
- P2 wear the correct **personal protective equipment** required
- P3 have the relevant **tools, equipment** and documents needed
- P4 confirm that **services** are in a safe condition before you enter premises
- P5 use approved **methods and procedures** to determine the fire damage to structures
- P6 record full and accurate details of the fire damage to structures

Carry out risk assessments to confirm premises are safe to work in

You must be able to:

- P7 have **permission** before entering premises
- P8 wear the correct **personal protective equipment** required
- P9 have the relevant tools, equipment and documents needed
- P10 confirm that **services** are in a safe condition before you enter the premises
- P11 carry out a risk assessment of the premises and confirm that it is safe to work in using approved **methods and procedures**
- P12 recognise and report accurately all **hazards** that are potential or actual risks to health and safety
- P13 provide risk assessment **reports** to those people who require them, within agreed timescales

Determine work required to limit damage to structures

You must be able to:

- P14 wear the correct **personal protective equipment** required
- P15 have the relevant and documents, **tools and equipment** needed
- P16 carry out a **triage assessment** of the **structures**
- P17 carry out testing through cleaning methods for smoke residue
- P18 inspect all areas and take measurements to estimate work
- P19 determine the resources required for damage limitation
- P20 record full and accurate details of the work required

Determine cost and produce reports of damage limitation work required

You must be able to:

- P21 confirm that you have the all relevant **information** needed
- P22 base your calculations on work required to achieve agreed condition of premises
- P23 record costs accurately, fully and in a way that can be confirmed
- P24 produce reports required following **instructions and procedures**

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Knowledge and understanding

You need to know and understand:

Confirm extent and nature of damage caused to structures by fire

- K1 why and from where to get permission to enter premises
- K2 the correct personal protective equipment required and where to get it from
- K3 why you should wear personal protective equipment
- K4 what tools, equipment and documents you require
- K5 what services are on site and how to confirm that they are in a safe condition
- K6 why you should confirm that services are in a safe condition and the possible consequences of not doing so
- K7 the approved methods and procedures to identify structural damage
- K8 the approved methods and procedures to identify the nature and the extent of damage
- K9 which documents you need to complete
- K10 what information is required and who receives copies

Carry out risk assessments to confirm premises are safe to work in

You need to know and understand:

- K11 why and from where to get permission to enter premises
- K12 the correct personal protective equipment required and where to get it from
- K13 why you should wear personal protective equipment
- K14 what tools, equipment and documents you need and where you get them from
- K15 what services are on site and how you confirm that they are in a safe condition
- K16 why you confirm that services are in a safe condition and the possible consequences of not doing so
- K17 the approved procedures and methods to use to carry out a risk assessment of premises and confirm that they are safe to work in
- K18 how you should report risk assessments to whoever requires them

Determine work required to limit damage to structures

You need to know and understand:

- K19 the correct personal protective equipment required and where to get it from
- K20 why you should wear personal protective equipment
- K21 what tools, equipment and documents you need
- K22 what a triage assessment is and why it should be carried out
- K23 why you should test through cleaning methods for smoke residue
- K24 which measurements should be taken and how this information should be used

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K25 which documents you need to complete

K26 what information is required and who receives copies

Determine cost and produce reports of damage limitation work required

You need to know and understand:

K27 which documents you need and how to complete them

K28 what information you need to determine costs and produce reports

K29 typical costs of materials and labour for limitation work

K30 how to determine costs and produce reports of limitation work required

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Additional Information

Scope/range

Confirm extent and nature of damage caused to structures by fire

- 1 **permission** from: clients; safety experts
- 2 **personal protective equipment:** hard hat; coveralls; gloves; safety glasses; safety boots; face masks; breathing apparatus
- 3 **tools:** tape measure; lamps; pens; sampling swabs; monitors
- 4 **equipment:** ladders; camera
- 5 **services:** electricity; water; gas; heating; oil
- 6 **methods and procedures:** visual; physical; measurements
- 7 **structures:** ceilings; floors, walls; doors; skirting boards; roof; services; fixtures

Carry out risk assessments to confirm premises are safe to work in

- 8 **permission:** verbal; in writing; signature
- 9 **personal protective equipment:** hard hat; coveralls; gloves; safety glasses; safety boots; face mask; breathing apparatus
- 10 **services:** electricity; water; gas; heating oil
- 11 **methods and procedures** of: your own organisation; your clients; current legislation
- 12 **hazards;** unsafe floors; unsafe walls; unsafe ceilings or roof; heavy objects that may affect further inspection or work
- 13 **reports** format: written; verbal

Determine work required to limit damage to structures

- 14 **personal protective equipment:** hard hat; coveralls; gloves; safety glasses; safety boots; safety masks
- 15 **tools and equipment** for: measuring; lighting; recording; sampling; testing
- 16 **triage assessment:** unrestorable; restorable; immediate action required
- 17 **structures:** ceilings; floors, doors; walls; skirting boards; roof; services; fixtures

Determine cost and produce reports of damage limitation work required

- 18 **information** from: your own organisation; insurance company
- 19 **information** about: hazards; extent and nature of damage; work required to limit damage; agreed client expectations; timescales; costs and availability of equipment
- 20 **instructions and procedures:** your own organisation; insurance company

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