
Overview

This standard is for people who install sheet weathering protection.

The person performing this work must be able to comply with the correct procedures and practices for installing sheet weathering protection. This work must be in accordance with the current versions of the appropriate industry standards and regulations; the specification; industry recognised working practices; the working environment and the natural environment. They must know and understand how to:

- prepare work locations to undertake weathering protection installation whilst ensuring a safe working environment
- prefabricate sheet weathering protection using a variety of appropriate materials
- install various types of weathering protection in accordance with the appropriate industry standards

Please note that industry specific terminology is identified by *italic* text and its explanation and/or definition can be found in the glossary of this standard.

SUMPH09
Install sheet weathering protection



**Performance
criteria**

To carry out work in accordance with the current versions of *the appropriate industry standards and regulations, the specification, working practices, the working environment and the natural environment*

- You must be able to:
- P1 verify that the job information and documentation are current and relevant and that the **plant**, instruments, *access equipment* and tools are fit for purpose
 - P2 confirm before work starts that the work location and work area can be accessed safely and has been checked for the risk to other personnel on the **site**, and take appropriate action if a risk is present
 - P3 select **sheet weathering protection** and confirm it is:
 - P3.1 of the right size and type
 - P3.2 suitable for the **working environment** in which it is to be installed
 - P4 ensure that arrangements are in place for accessing the work area safely
 - P5 produce a risk assessment and method statement for the work to be carried out, including the identification and use of *personal protective equipment*, in accordance with the **working environment**
 - P6 determine at the outset, that the plans for positioning and application of the **sheet weathering protection** are in accordance with:
 - P6.1 the **working environment**
 - P6.2 manufacturers' instruction
 - P7 comply with industry practices and **procedures** to ensure the co-ordination with the activities of other trades
 - P8 measure and mark out the locations for fitting and fixing the selected **sheet weathering protection** in accordance with:
 - P8.1 the **weathering protection's** design
 - P8.2 manufacturers' instruction
 - P9 fit and apply the selected sheet weathering protection in accordance with:
 - P9.1 the **working environment**
 - P9.2 manufacturers' instruction
 - P10 confirm the integrity of the installed **sheet weathering protection**
 - P11 confirm with the relevant people
 - P11.1 those necessary variations to the planned programme of work
 - P11.2 the correct actions to be undertaken to ensure that any variations to the planning programme of work will minimise the potential for hazard

and risk

- P12 implement procedures for the safe transport and/or disposal of waste material in accordance with suppliers' and manufacturers' instructions

Knowledge and understanding

To carry out work in accordance with the current versions of *the appropriate industry standards and regulations, the specification, working practices, the working environment and the natural environment*

You need to know and understand:

- K1 the applications, advantages and limitations of different types of **sheet weathering protection** in relation to the **working environment**
- K2 the **appropriate industry standards and regulations** relevant to installing different types of **sheet weathering protection**
- K3 how to verify that job information and documentation is current and relevant and that the **plant**, instruments, *access equipment* and tools are fit for purpose
- K4 how to produce a risk assessment and method statement for the work to be carried out, including the identification and use of *personal protective equipment*, in accordance with:
 - K4.1 the conditions of the **working environment**
 - K4.2 **organisational procedures**
- K5 the methods for determining the most suitable type of **sheet weathering protection**
- K6 how to interpret diagrams and drawings to identify the planned location of the **sheet weathering protection** required
- K7 the **organisational procedures** for confirming, before work starts, that the work location and work area can be accessed safely and has been checked for the risk to other personnel on the **site**, and for taking appropriate action if a risk is present
- K8 the methods and techniques for fitting the **sheet weathering protection** selected in accordance with:
 - K8.1 the **working environment**
 - K8.2 manufacturers' instructions
- K9 the methods and techniques for confirming the integrity of the **sheet weathering protection**
- K10 the **organisational procedures** for confirming with the **relevant people** the appropriate actions to be taken to ensure that any variations to the planned programme of work will not introduce a hazard and have minimum negative impact on the installation work to be undertaken

K11 the methods for the safe transport and/or disposal of waste material, substances and liquids in accordance with suppliers' and manufacturers' instructions

Additional information

Scope related to performance criteria

The contexts and circumstances below identify where and when the NOS could apply.

1 **Working Environment** (Internal and/or External)

- 1.1 light commercial
- 1.2 domestic
- 1.3 agricultural
- 1.4 horticultural
- 1.5 leisure and entertainment
- 1.6 residential medical and care facilities
- 1.7 *public services establishments*
- 1.8 pre 1919 traditional/historic buildings

2 **Site**

- 2.1 new build construction – building or structure
- 2.2 existing building or structure

3 **Organisational procedures**

- 3.1 information management
- 3.2 project management
- 3.3 risk assessment and management
- 3.4 implementing and monitoring health and safety requirements and issues
- 3.5 implementing and monitoring issues relating to the *natural environment*
- 3.6 customer service
- 3.7 accident reporting
- 3.8 emergencies
- 3.9 communication with clients, customers and stakeholders

4 **Plant**

- 4.1 generators
- 4.2 transformers for low voltage hand-tools
- 4.3 lifting equipment

4.4 *access equipment*

5 Sheet weathering protection

5.1 sheet materials – underlay/membrane

5.2 strip materials

5.3 sealants

5.4 flashing

Range related to performance criteria The contexts and circumstances below identify where and when the NOS must apply

1 Relevant people

1.1 customers/clients

1.2 client representatives

1.3 supervisors

1.4 site/contract manager

1.5 other contractors/trades

1.6 members of the public

1.7 work colleagues

2 Work area

2.1 open and restricted access

2.2 occupied and unoccupied

2.3 high/low level

2.4 ventilated/unventilated

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Glossary

Appropriate industry standards and regulations for:

- construction design and management
- controlling noise at work
- controlling asbestos in the work place
- controlling substances hazardous to health
- electricity at work
- gas supply and installations
- managing health and safety at work
- manual handling operations
- personal protection at work
- provision and use of work equipment
- recycling and disposal of waste electrical and electronic equipment
- requirements for electrical installations
- the quality of buildings and building work in England, Northern Ireland, Scotland and Wales
- water supply
- water fittings
- working at heights
- workplace health and safety and welfare

Specification

A verbal and/or documented instruction that is an explicit set of requirements for installing identified systems, equipment or products, to be satisfied by materials, components, design, processes, procedures, data management and/or service (s).

Clients and customers

- purchaser of installation services
- other trades and services at the work site
- colleagues within the same organisation
- architect
- contract manager
- main/sub-contractor
- consultant
- local authority representatives
- work colleagues

A **public services establishment** can be a:

- hospital/medical centre
- school/college/university
- museum/library
- prison
- military base
- car park
- place of worship

Natural environment

The climate, weather and natural resources that effect and are affected by human life and economic activity

Working practices

Methods, techniques and procedures that are adopted for carrying out specific tasks that ensures workers' exposure to hazardous situations is controlled in a safe manner when:

- working with equipment, tools and plant
- working with materials and substances (hazardous and non-hazardous)
- manual handling lifting
- using lifting equipment
- using personal protective equipment (PPE)

- excavating

Access equipment

- scaffold
- ladders
- steps
- staging
- trestles
- mobile elevated work platform (MEWP)

Personal protective equipment (PPE)

- safety helmets/hats
- hairnets
- gloves
- safety steel toe capped boots/shoes
- safety spectacles/goggles
- face shields/visors
- ear plugs/muffs
- conventional or disposable overalls, boiler suits, aprons, chemical suits
- respiratory protective equipment (RPE)

Sheet lead flashing:

Soakers and step flashings; step and cover flashings; step and cover flashings to tiles; apron flashing to profiled tiles; apron flashing to deeply profiled tiles; lead slate; chimney flashings to stack; pitched valley gutter; secret gutter; ridge roll with clips – hip roll; preformed DPC

Sheet lead weathering:

Apron jambs; window heads; cheeks; back gutters; secret gutters; soakers; flat, pitched and curved roof areas.

Links to other NOS

EUSDSG3.10 Install gas warm air central heating systems and appliances
EUSDSG3.11 Maintain gas warm air central heating systems and appliances
EUSDSG3.3 Install gas water heating and wet central heating appliances
EUSDSG3.5 Install gas pipework up to 35mm BS6891
EUSDSG3.60 Gas tightness testing and direct purging – IGE/UP/1B
SUMETS1 Plan, prepare and install environmental technology systems
SUMETS7 Service and maintain environmental technology systems
SUMETS10 Inspect and commission environmental technology systems
SUMETS11 Diagnose and rectify faults in environmental technology systems

External Links

Links correct at time of NOS approval:

- Health & Safety Executive Documents <http://www.hse.gov.uk/pubns>
- The quality of buildings and building work in England
<https://www.gov.uk/government/policies/providing-effective-building-regulations-so-that-new-and-altered-buildings-are-safe-accessible-and-efficient>
- The quality of buildings and building work in Wales
<http://wales.gov.uk/topics/planning/buildingregs/?lang=en>
- The quality of buildings and building work in Northern Ireland
<http://www.dfpni.gov.uk/building-regulations>
- The quality of buildings and building work in Scotland
<http://www.scotland.gov.uk/Topics/Built-Environment/Building/Building-standards>
- International industry standards and regulations
http://www.iso.org/iso/catalogue_ics_browse?ICS1=27&ICS2=060&ICS3=30&

SUMPH09 SQA Unit Code H98L 04
Install sheet weathering protection



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Original URN	N/A
Relevant occupations	Plumbing; Plumbers; Advanced Plumber
Suite	Plumbing and Domestic Heating
Key words	Plumbing; Sheet Weathering; Chimneys; Lead Flashing; Damp Proof
