

Overview

"This standard is about preparing and installing placed, mechanically or adhesively fixed insulation to create warm roofs, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment

This standard is for people working in the occupational area of insulation and building treatments and can be used by installers, supervisors and managers"

Performance criteria

You must be able to:

"P1 interpret the given design information relating to the work and resources to confirm its accuracy, completeness and relevance to the building type, fabric and condition for the following:

- 1.1 drawings
- 1.2 specifications
- 1.3 schedules
- 1.4 method statements
- 1.5 risk assessments
- 1.6 manufacturers' information
- 1.7 data sheets

P2 comply with the given, relevant legislation, standards and official guidance to carry out your work and maintain safe and healthy work practices relating to the following:

- 2.1 methods of work
- 2.2 safe use of health and safety control equipment
- 2.3 safe use of access equipment and harness systems
- 2.4 safe use, storage and handling of materials, tools and equipment
- 2.5 specific risks to health including mental health
- 2.6 specific risks associated with vents and ventilation and combustion appliances

P3 select the required quantity and quality of resources for the methods of work

- 3.1 check the suitability, compatibility and characteristics of the materials, components and finishes and determine if they are moisture open or moisture closed and their impact on the building
- 3.2 record and report issues or defects
- 3.3 select tools and equipment

P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area by:

- 4.1 protecting the work and its surrounding area from damage
- 4.2 maintaining a safe, clear and tidy work area
- 4.3 disposing of waste in accordance with current legislation

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P5 comply with the given contract information to carry out the work efficiently to the required specification for the following:

- 5.1 demonstrate work skills to measure, mark out, cut, fit, position, secure and make good
- 5.2 carry out external and internal pre-installation checks, assessing, recording and reporting issues to include:
 - suitable access
 - property suitability
 - structural integrity
 - dampness
 - decay
 - vents and ventilation
 - services (gas, electric, water, media cables)
- 5.3 use and maintain all work tools and equipment
- 5.4 prepare and install insulation to the roof pitch using at least one of the following methods in compliance with system specification, manufacturers' instructions, current regulations and to given work instructions:
 - placed
 - mechanically or adhesively fixed
- 5.5 prepare and install insulation to pipes, tanks and/or cylinders in compliance with current regulations and to given working instructions
- 5.6 install air and vapour control layers
- 5.7 protect electrical services, lighting, media, high amperage cables
- 5.8 create and protect walkways and platforms for access and storage
- 5.9 remove and secure building occupants stored items
- 5.10 install passive ventilation and safeguard existing ventilation in accordance with the system design
- 5.11 carry out post installation checks to ensure adequate ventilation above and below insulation
- 5.12 maintain fire resistant barriers
- 5.13 seal joints, perimeters and penetrations
- 5.14 minimise the effects of thermal bridging
- 5.15 complete post installation checks in accordance with the

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system designer installations operations manual and report issues to include but not limited to safeguarding the combustion ventilation and report defects

5.16 provide post installation advice and guidance to building occupants including homeowner packs

5.17 hand over and sign off to the customers satisfaction

P6 complete your work within the estimated, allocated time and performance requirements of the system design, method statement and the required standard"

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Knowledge and understanding

You need to know and understand: