

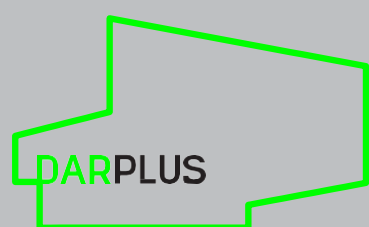
150 HOLBORN

Z2_RESIDENTIAL BUILDING

150-PWA-Z2-XX-SP-A-8048-C02_ P10 SUNDRY INSULATION

SPECIFICATIONS

APRIL 2019



PERKINS+WILL

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NOTES *All changes within the specification highlighted in Green have been updated by Perkins + Will as part of the Stage 05 Deliverables.*

DATE [Issue tracker](#)
+ REV

REV C01 22.03.2019

REV C02 05.04.2019

P10 SUNDRY INSULATION

Refer to A10 for list of related documents which are to be read with this Work Section.

P10.100 COMPLIANCE AND SCOPE

COMPLIANCE

P10.101

General

- a) Refer to and comply with A15.100 of the Architectural Specification regarding the Contractor's design responsibility for this element of the works.
- b) Engage a specialist sub-contractor and comply with A15.103, to complete the Detailed Design of this element of the works. Maintain the intent of the Design Drawings (A10.104 d i)), where the Architect's role will be limited to checking compliance with quality, design and visual intent only.
- c) [This works section is to be distributed and read in conjunction with the A-Sections \(A10, A13, A15, A70, A71 and A72\) and relevant Z-Sections as noted in the Quality and Workmanship sub-section.](#)

SCOPE

External Wall

Insulation P10.102 Type INS-102

Wall Insulation

Proprietary mineral wool insulation around columns in the party walls and slab edges, as the Design Drawings.

- a) Thickness: 90mm, as the Design Drawings.
- b) Performance requirements:
 - i) To achieve : 0.20 W/ m²K U-value as part of a full system build.
 - ii) Fire rating: Refer to the Fire Strategy Report.
 - iii) Acoustic rating: Refer to the Acoustic Report.
- c) Fixing: Suitable mechanically or adhered to substrate/ framing system.

P10.103 **Type INS-104 Mineral Wool Insulation**

Mineral wool insulation for upper levels of façade to suit the performance requirements, as the Design Drawings.

- a) Thickness: 100mm, as the Design Drawings.
- b) Performance requirements:
 - i) Fire rating: Refer to the Fire Strategy Report.
 - ii) Acoustic rating: Refer to the Acoustic Report.
- c) Installation: As the manufacturer's recommendations.

Soffit Insulation

P10.104 **Type INS-201 Rigid Phenolic Soffit Board Insulation**

Rigid ~~phenolic foam~~ wool insulation soffit board with a smooth decorative rendered finish, as the Design Drawings.

- a) ~~Manufacturer: Rockwool~~
- a) Thickness: ~~As the Design Drawings.~~ 260mm
- b) ~~Product reference: Soffit Slab~~
- c) Performance requirements:
 - i) Fire rating: Refer to the Fire Strategy Report.
 - ii) Acoustic rating: Refer to the Acoustic Report.
- d) Class rating: 0.
- e) Thickness: ~~As the Design Drawings/~~260mm to achieve 0.13W/ m²K U-value.

P10.200 QUALITY AND WORKMANSHIP

QUALITY

Refer to A70 for detailed descriptions of Submittals and Quality Requirements.

P10.201

Samples

- a) 500mm x 500mm - Insulation.
- b) 1 No. - Visible fixings and accessories.

P10.202

Mock-ups, Prototypes, Benchmarks

- a) Mock-ups:

- i) Not required.
 - b) Prototypes:
 - i) Not required.
 - c) Benchmarks:
 - i) First of each type installed.
- P10.203 Other Documentation
Not used.
- P10.204 General Work Section Requirements
- a) Comply with the following Building Fabric Reference Specifications:
 - i) Z20 - Fixings/ Adhesives.
 - ii) Z22 - Sealants.
 - iii) Z61 - Insulation.
- P10.205 Performance (General)
Comply with all performance requirements as described in A71.100.
- P10.206 Performance (Work Section Specific)
- a) Deflections:
 - i) The maximum allowable deflections of the works to be L/200, or 10mm (whichever is the lesser).
- P10.207 Testing (General)
Comply with all testing requirements as described in A72.100.
- P10.208 Testing (Work Section Specific)
Not used.
- P10.209 Materials (General)
Comply with all requirements as described in A70.200.
- P10.210 Materials (Work Section Specific)
Not used.
- WORKMANSHIP**
- P10.211 Workmanship (General)
Comply with all workmanship requirements as described in A70.300.
- P10.212 Workmanship (Work Section Specific)
Install insulation accurately as shown on the Working Drawings, including all associated components and accessories, within a tolerance of the lowest value $\pm 2\text{mm}$ or 0.1% of overall length to maintain integrity and performance without adversely affecting interfacing elements.

End of Section