

Project No. 150457

Client: Council of the Isles of Scilly

Tender Issue 10/11/2017

STRIDE TREGLOWN
ARCHITECTURE

Carn Gwavel School

10 November 2017

This document includes:

| Code | Section | Revision | Dated |
|------|----------------------------------|----------|-------|
| P10 | Sundry Insulation/ Proofing Work | | |

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P10 Sundry Insulation/ Proofing Work

SUNDRY INSULATION/ PROOFING WORK

To be read with Preliminaries/ General conditions.

TYPES OF INSULATION

- 111 INSULATION [GENERAL FOR PACKING]
- Location: As indicated on the detail drawings.
 - Material: Mineral wool.
 - Manufacturer: Rockwool Ltd or equal approved
 - Product reference: Rockwool Roll or equal approved
 - Thickness: as shown on drawings
 - Installation requirements: Pack tightly around and into voids
 - Joints: no gaps. Avoid sagging
- 120 ROOF INSULATION GENERALLY
- Manufacturer and product reference: Refer to Section H31 & J42
- 125A INSULATION LAID BETWEEN CEILING TIES/ JOISTS Roof Type R4
- Manufacturer: ROCKWOOL Ltd.
 - Web: www.rockwool.co.uk.
 - Email: info@rockwool.com.
 - Tel: +44 (0)1656 862621.
 - Address: ROCKWOOL Ltd, 14th Floor, Chiswick Tower, 389 Chiswick High Road, London. W4 4AJ.
 - Product reference: ROCKWOOL Roll Batt.
 - Thickness: 100mm
- 135A INSULATION LAID ACROSS CEILING TIES/ JOISTS Roof Type R4
- Manufacturer: ROCKWOOL Ltd.
 - Web: www.rockwool.co.uk.
 - Email: info@rockwool.com.
 - Tel: +44 (0)1656 862621.
 - Address: ROCKWOOL Ltd, 14th Floor, Chiswick Tower, 389 Chiswick High Road, London. W4 4AJ.
 - Product reference: Rockwool Rolls
 - Thickness: 170 mm.

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140A INSULATION FITTED BETWEEN JOISTS Roof Type R2

- Material: Multi foil insulation.
- Manufacturer:
SuperFOIL Insulation
Black Horse Farm
Main Street
Norwell
Newark
Notts
NG23 6JN.
 - Product reference: SuperFOIL SF40.
- Thickness: 65mm (over and between joists).
- Air gap: 13mm
- Insulation between joists: 50mm rigid insulation (0.022W/mK)
- VCL: SuperFOIL SFTV reflective VCL to underside of joists
Installation requirements:
 - Joints: Butted, no gaps.
 - Fasteners: Used where necessary to retain insulation and/ or prevent slumping.
 - Air space above insulation: Not restricted.
 - Eaves ventilation: Unobstructed.

140B INSULATION WRAPPING ADJUSTABLE TUBE TO SUN PIPE Roof Type R2

- Material: Multi foil insulation.
- Manufacturer:
SuperFOIL Insulation
Black Horse Farm
Main Street
Norwell
Newark
Notts
NG23 6JN.
 - Product reference: SuperFOIL SF40.
- Thickness: 65mm (WRAPPING ADJUSTABLE TUBE)
Installation requirements:
 - Joints: Butted, no gaps.
 - Fasteners: Used where necessary to retain insulation and/ or prevent slumping.

169A GROUND FLOOR INSULATION Below Floor Screed

- Manufacturer: Kingspan Insulation.
 - Web: www.kingspaninsulation.co.uk.
 - Email: info@kingspaninsulation.co.uk.
 - Tel: +44 (0)1544 387601.
 - Address: Pembridge, Leominster, Herefordshire. HR6 9LA.
 - Product reference: Thermafloor® TF70
- Insulation thickness: 90mm.
- Loose laid polythene vapour control layer to be laid between insulation and concrete slab.

169B PERIMETER SLAB INSULATION

- Manufacturer: Kingspan Insulation.
 - Web: www.kingspaninsulation.co.uk.
 - Email: info@kingspaninsulation.co.uk.
 - Tel: +44 (0)1544 387601.
 - Address: Pembridge, Leominster, Herefordshire. HR6 9LA.
 - Product reference: Thermafloor® TF70
- Insulation thickness: 25mm.

217A FRAMING BOARD INSULATION

- Manufacturer: Kingspan Insulation.
 - Web: www.kingspaninsulation.co.uk.
 - Email: info@kingspaninsulation.co.uk.
 - Tel: +44 (0)1544 387601.
 - Address: Pembridge, Leominster, Herefordshire. HR6 9LA.
 - Product reference: Kooltherm® K112 Framing Board
- Insulation thickness: 80mm.

310 VAPOUR CONTROL LAYER FIXED TO TIMBER STUDS/ JOISTS/ FRAMING

- Material: 1000 gauge virgin polyethylene.
- Manufacturer: Visqueen.
 - Product reference: 'Vapour Barrier'.
- Minimum vapour resistance: 530 MN s/g.
- Moisture content of timber at time of fixing (maximum): 20%.
- Installation requirements:
 - Setting out: Joints minimized.
 - Method of fixing: Staples at 250 mm centres maximum along all supports. Membrane not sagging.
 - Joints: At supports only, lapped 150 mm minimum.
 - Openings: Membrane fixed to reveals.
 - Joints and edges: Sealed with double sided tape with vapour resistivity not less than the vapour control layer.
- Penetrations: Sealed.

316 POLYTHENE SEPARATION LAYER BELOW SCREED

- Material: Virgin polyethylene.
- Manufacturer: Visqueen.
 - Product reference: 'Vapour Barrier'.
- Minimum vapour resistance: 530 MN s/g.
- Installation requirements:
 - Setting out: Joints minimized.
 - Method of fixing: To manufacturer installation guidelines.
 - Joints: At supports only, lapped 150 mm minimum.
 - Openings: Membrane fixed to reveals.
 - Joints and edges: Sealed with double sided tape of vapour resistivity not less than the vapour control layer.
 - Substrates: Primed as necessary.
 - Penetrations: Sealed.

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320A BREATHER MEMBRANE To Wall Type EW1

- Manufacturer: Kingspan Insulation.
 - Web: www.kingspaninsulation.co.uk.
 - Email: info@kingspaninsulation.co.uk.
 - Tel: +44 (0)1544 387601.
 - Address: Pembridge, Leominster, Herefordshire. HR6 9LA.
 - Product reference: Nilvent®

411 FLEXIBLE CAVITY BARRIERS TO WALL LININGS, PARTITIONS & ABOVE CEILINGS

- Cross refer to Clauses K10 / 530 & 545

412 FLEXIBLE CAVITY BARRIERS ABOVE DEMOUNTABLE SUSPENDED CEILING VOIDS

Cross refer to Clauses K40 / 288