

**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
K11	Rigid sheet flooring/ sheathing/ decking/ sarking/ linings/ casings		

## **K11 Rigid sheet flooring/ sheathing/ decking/ sarking/ linings/ casings**

To be read with Preliminaries/ General conditions.

### **TYPES OF FLOORING/ SHEATHING/ DECKING/ SARKING/ LINING/ CASINGS**

#### **485 WALL SHEATHING To Wall type EW1**

- Substrate: 140mm Timber Stud to Structural Engineers specification, Softwood chords wide enough to allow sheathing boards to abut and be adequately fixed.
  - Additional supports: If required.
- Sheathing: WBP plywood.
  - Manufacturer: Contractor's choice.  
Product reference: Contractors choice.
  - Thickness: 9.5mm.
  - Other requirements: Board to have thermal conductivity of 0.14Wm/K to achieve required u-value. .
- Setting out: Long edges vertical and centred on supports.
  - Expansion gap between adjacent boards: In accordance with manufacturers recommendations.
- Fixing to supports:
  - Fasteners: In accordance with manufacturer's recommendations.
  - Fixing centres (maximum):  
Around board edges: 300mm ctrs.  
Along intermediate supports: 300mm ctrs.
  - Fixing distance from edges (minimum): In accordance with manufacturers recommendations from bottom edge of board and In accordance with manufacturers recommendations mm from other edges.

- 817 PLYWOOD WALL SHEATHING Between lightweight metal studwork as pattress substrate fixing for sanitaryware / services / wall fixtures / overhead door closer etc
- Drawing reference: See Partition layout and fixtures and fittings drawings.
  - Location: As described on the partition setting out drawing –fixed within partition framing zone.
  - Substrate: Lightweight metal framed partitions.
  - Additional supports: as clause K11/930
  - Sheathing: Plywood manufactured to the relevant standards and quality control procedures specified in BS 5268-2, and so marked.
    - Type: Class 1
    - Grade: II/III
    - Nominal thickness/ number of plies: 18mm.
  - Setting out: To be set out between main C stud centres to suit location of service support plates.
  - Height of sheathing: To be agreed on detailing
  - Fixing to supports:
    - Use Lafarge support plate detail fixed in accordance with their approved details.
    - Fasteners: Dry wall screws into plate
    - Fixing centres (maximum): As plate location
    - Around board edges: NA
    - Along intermediate supports: NA
    - Fixing distance from edges (minimum): NA

#### **WORKMANSHIP**

- 910 INSTALLATION GENERALLY
- Timing: Building to be weathertight before fixing boards internally.
  - Moisture content of timber supports (maximum): 18%.
  - Joints between boards: Accurately aligned, of constant width and parallel to perimeter edges.
  - Methods of fixing, and fasteners: As section Z20 where not specified otherwise.
- 930 ADDITIONAL SUPPORTS
- Additional studs, noggings/ dwangs (Scot) and battens:
    - Provision: In accordance with board manufacturer's recommendations and as follows:
      - Tongue and groove jointed rigid board areas: To all unsupported perimeter edges.
      - Butt jointed rigid board areas: To all unsupported edges.
    - Size: Not less than 50 mm wide and of adequate thickness.
    - Quality of timber: As for adjacent timber supports.
    - Treatment (where required): As for adjacent timber supports.
- 940 BOARD MOISTURE CONTENT AND CONDITIONING
- Moisture content of boards at time of fixing: Appropriate to end use.
  - Conditioning regime: Submit proposals.
- 950 MOISTURE CONTENT TESTING
- Test regime and equipment: Submit proposals.
  - Test results: Submit record of tests and results.

**960    FIXING GENERALLY**

- Boards/ sheets: Fixed securely to each support without distortion and true to line and level.
- Fasteners: Evenly spaced in straight lines and, unless otherwise recommended by board manufacturer, in pairs across joints.
  - Distance from edge of board/ sheet: Sufficient to prevent damage.
- Surplus adhesive: Removed as the work proceeds.

**975    METAL WALL FRAMING**

- Setting out: Framing accurately aligned, vertical and securely fixed to surrounding structure at maximum 600 mm centres. All board edges supported.

**976    MINERAL WOOL INSULATION TO METAL FRAMING**

- Installation: Neat and secure with close butted joints and no gaps. Where insulation is not self supporting, fixed at head of frame using clips or other suitable proprietary fixings.

**980    OPEN JOINTS**

- Perimeter joints, expansion joints and joints between boards: Free from plaster, mortar droppings and other debris.
- Temporary wedges and packings: Removed on completion of board fixing.