

**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
M40	Stone/ Concrete/ Quarry/ Ceramic tiling/ Mosaic		

## **M40 Stone/ Concrete/ Quarry/ Ceramic tiling/ Mosaic**

- 5A TILE TO All splash backs  
as indicated in finishes plans 150457\_45001  
" Tiles: Ceramic.
- Manufacturer/ Supplier: Johnson or Equal.  
Product reference: Prismatic.
  - Colour: TBC with Client
  - Finish: Gloss.
  - Size: 150 x 150mm.
  - Thickness: 6.5mm.
  - Setting out: stack bond.
  - Slip potential:  
Slip resistance value (SRV) (minimum)/ Pendulum test value (PTV) (minimum) to BS 7976-1, -2, -3 or BS EN 14231 (natural stone only): Not applicable.  
Surface roughness (Rz) (minimum) to BS 1134: Manufacturer's standard.  
SlipSTD class: Not applicable.
  - Recycled content: Not applicable.  
" Background/ Base: plasterboard walls.
  - Preparation: to manufacturer's recommendations.  
" Intermediate substrate: Not required.  
" Bedding: to manufacturer's recommendations.
  - Reinforcement: to manufacturer's recommendations.
  - Adhesive to BS EN 12004: Contractor's choice.  
" Joint width: As spacer lugs.  
" Grout: Epoxy resin waterproof grout to approval.. Mid Grey.
  - Type/ classification: -.
  - Admixture: None.  
" Movement joints: to manufacturer's recommendations - none anticipated.  
" Accessories: Stainless steel or aluminium 90 deg angle trim to all exposed tile edges to match tile thickness..
- 15 NEW BACKGROUNDS/BASES
- Background drying times (minimum):
    - Brick/block walls: 6 weeks.
    - Rendering: 2 weeks.
    - Gypsum plaster: 4 weeks.
  - Base drying times (minimum):
    - Concrete slabs: 6 weeks.
    - Cement:sand screeds: 3 weeks.

**20 EXISTING BACKGROUNDS/BASES GENERALLY**

- Efflorescence, laitance, dirt, loose and defective material: Remove and make good defective areas with materials compatible with background/base and bedding.
- Deposits of oil, grease and other materials incompatible with the bedding: Remove.
- Tile, paint and other nonporous surfaces: Clean.
- Wet backgrounds: Dry before tiling.
- Paint with unsatisfactory adhesion: Remove so as not to impair bedding adhesion.

**25 NEW PLASTER**

- Plaster primer: Apply if recommended by adhesive manufacturer.

**30 FIXING GENERALLY**

- Colour/ shade: Avoid unintended variations within tiles for use in each area/ room.
  - Variegated tiles: Mix thoroughly.
- Adhesive: Compatible with background/ base.
- Cut tiles: Neat and accurate.
- Fixing: Provide adhesion over entire background/ base and tile backs.
- Final appearance: Before bedding material sets, make adjustments necessary to give true, regular appearance to tiles and joints.
- Deviation of surface: Measure from underside of a 2 m straightedge with 3 mm thick feet placed anywhere on surface. The straightedge should not be obstructed by the tiles/ mosaics and no gap should be greater than 6 mm, i.e. a tolerance of  $\pm 3$  mm.
- Surplus bedding material: Clean from joints and face of tiles/ mosaics.

**32 MORTAR BEDDING**

- Bedding mix:
  - Cement: Portland to BS EN 197-1, type CEM I/42.5.
  - Sand for walls: Fine aggregate to BS EN 13139.  
Grading designation: 0/2 (CP or MP) category 2 fines.
  - Sand for floors: Fine aggregate to BS EN 13139.
- Grading designation: 0/4 (MP) category 1 fines and between 20-66% passing a 0.5 sieve.
- Batching: Select from:
  - Batch by weight.
  - Batch by volume: Permitted on the basis of previously established weight:volume relationships of the particular materials. Use accurate gauge boxes. Allow for bulking of damp sand.
- Mixing: Mix materials thoroughly to uniform consistence. Use a suitable forced action mechanical mixer. Do not use a free fall type mixer.
- Application: At normal temperatures use within two hours. Do not use after initial set. Do not retemper.

**35 SETTING OUT**

- Joints: True to line, continuous and without steps.
  - Joints on walls: Horizontal, vertical and aligned round corners.
  - Joints in floors: Parallel to main axis of space or specified features.
- Cut tiles: Minimise number, maximise size and locate unobtrusively.
- Joints in adjoining floors and walls: Align.
- Joints in adjoining floors and skirtings: Align.

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**55 ADHESIVE BED - NOTCHED TROWEL AND BUTTERING METHOD TO WALLS**

- Application: By floated coat of adhesive to dry background. Comb surface.
- Tiling: Apply thin even coat of adhesive to backs of dry tiles. Fill any profiles. Press tiles firmly onto float coat.
- Finished adhesive thickness: 3 mm or within the range allowed by the adhesive manufacturer.

**70 GROUTING**

- Sequence: Grout when bed/adhesive has set sufficient to prevent disturbance of tiles.
- Joints: 6 mm deep (or depth of tile if less). Free from dust and debris.
- Grouting: Fill joints completely, tool to profile, clean off surface. Leave free from blemishes.
- Polishing: When grout is hard, polish tiling with dry cloth.