TILING SPECIFICATION

SPECIFICATION NUMBER: NR286-12
PREPARED FOR: HUSH (UK) Limited
ATTENTION: Robert Crampton
INSTALLATION: Hush Cem Panel 28 Acoustic Deck

M40 STONE/ CONCRETE/ QUARRY/ CERAMIC TILING/ MOSAIC

To be read with Preliminaries/ General conditions.

TYPES OF TILING/ MOSAIC

110 TILING TO HUSH CEM PANEL 28 ACOUSTIC DECK
- Tiles: To be confirmed
  - Size: ≤300mm x 300mm
  - Thickness: To be confirmed
- Background/ Base: Tongue & groove cement particle board panels with a 10mm Hushfelt™ resilient layer
  - Preparation: As clauses 310 & 392
    Lay Norcros Permalayer anti-fracture membrane in a 2mm bed of Norcros Rapid Porcelain Grey adhesive and allow to dry.
- Bedding: As clause 710
- Joint width: Minimum 3mm
- Grout: Norcros Flexible Floor & Wall Grout or Norcros 4 into 1 Grout if a fine textured grout is required.
  - Type/ classification: CG2
  OR
  - Grout: Norcros Super Epoxy if an impervious grout is required
    - Type/ classification: RG1
    - Movement joints: Movement joints should extend through the tiling and its bed and coincide with any structural movement joints. British Standard BS 5385: Part 3: 1989 recommends that movement joints should be provided around the perimeter of the tiled installation (including door thresholds) with intermediate movement joints being provided in larger areas at 8m to 10m intervals, at junctions between different substrates and at door thresholds. On suspended floors stress relieving joints should be provided over supporting walls or beams where there is a risk of flexing.
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GENERALLY

NORCROS ADHESIVES PRODUCTS will be applied in accordance with the site work instructions on the manufacturers product data sheets. All Norcros products are covered with a Lifetime guarantee when used in accordance with the manufacturers instructions.

SUITABILITY OF BACKGROUNDS/ BASES

- Background/base tolerances: To permit specified flatness/regularity of finished surfaces given the permissible minimum and maximum thickness of bedding.
- Suitable and sufficiently strong to receive and support a tiled finish.
- Suitable for the conditions to which it will be exposed.
- Fully dry and free from contamination, laitance etc.

FALLS IN BASES

- General: Give notice if falls are inadequate.

SAMPLES

- General: Submit representative samples of the following: _______.

LIFE TIME

GUARANTEE
CONTROL SAMPLES
- General: Complete sample areas, being part of finished work, in locations as
  follows: ______.
- Approval of appearance: Obtain before proceeding

PREPARATION

EXISTING BACKGROUNDS/ BASES GENERALLY
- Efflorescence, laitance, dirt and other loose material: Remove.
- Deposits of oil, grease and other materials incompatible with the bedding:
  Remove.
- Tile, paint and other nonporous surfaces: Clean.
- Wet backgrounds: Dry before tiling.

TILE BACKER BOARDS
- To be fixed in accordance with the manufacturers recommendations.
- Must be clean, dry, rigid and well-braced.
- Consult the board manufacturer regarding the suitability of the boards for the
  intended conditions to which it will be subjected.

FIXING

FIXING GENERALLY
- Colour/ shade: Unintended variations within tiles for use in each area/ room are
  not permitted.
  - Variegated tiles: Mix thoroughly.
- Adhesive: Compatible with background/ base. Prime if recommended by
  adhesive manufacturer.
- Use of admixtures with cementitious adhesives: Only admixtures approved by
  adhesive manufacturer.
- 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 when viewed under final lighting
  conditions.
- Surplus bedding material: Clean from joints and face of tiles without disturbing
  tiles.
SETTING OUT
- Joints: True to line, continuous and without steps.
  - Joints on walls: Horizontal, vertical and aligned round corners.
  - Joints in floors: Parallel to the main axis of the space or specified features.
- Cut tiles: Minimize number, maximize size and locate unobtrusively.
- Joints in adjoining floors and walls: Align.
- Joints in adjoining floors and skirtings: Align.
- Movement joints: If locations are not indicated, submit proposals.
- Setting out of ______: Drawing references: ______.
- Setting out of ______: Submit proposals.

LEVEL OF FLOOR TILING
- Permissible deviation in level from datum for ______.

FLATNESS/REGULARITY OF TILING
- Sudden irregularities: Not permitted.
- Deviation of surface: Measure from underside of a 2 m straightedge with 3mm thick feet placed anywhere on surface. The straightedge should not be obstructed by the tiles and no gap should be greater than 6 mm, i.e. a tolerance of ± 3mm.

LEVEL OF TILING ACROSS JOINTS
- Deviation (maximum) between tile surfaces either side of any type of joint:
  - 1 mm for joints less than 6 mm wide.
  - 2 mm for joints 6 mm or greater in width.

THICK BED ADHESIVE - SOLID (FLOORS)
- Application: By floated coat of adhesive to dry base and comb surface.
- Tiling: Apply coat of adhesive to backs of dry tiles. Fill any ribbed, deep keyed or button profiles. Press tiles firmly onto position.
- Finished adhesive thickness: Within range recommended by manufacturer.

MOVEMENT JOINTS/GROUTING/COMPLETION

GROUTING
- Sequence: Grout when bed/adhesive has set sufficiently 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.
  - Profile: ______.
- Polishing: When grout is hard, polish tiling with a dry cloth.

COLOURED GROUT
- Staining of tiles: Not permitted.
- Evaluating risk of staining: Apply grout to a few tiles in a small trial area. If discoloration occurs apply a protective sealer to tiles and repeat trial.