

## **TILING SPECIFICATION**

**SPECIFICATION NUMBER: NR281-12**  
**PREPARED FOR: HUSH (UK) Limited**  
**ATTENTION: Robert Crampton**  
**INSTALLATION: Hush – Ply 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 - PLY 28 ACOUSTIC DECK
- Tiles: To be confirmed
    - Size: ≤300mm x 300mm
    - Thickness: To be confirmed
  - Background/ Base: 18mm tongue & groove WBP Plywood with 10mm Hushfelt™ resilient layer.
    - Preparation: As clauses 310 & 395
      - Prime with neat Norcros Prime Bond and allow to dry.
      - Lay Norcros Permalayer anti-fracture membrane in a 2mm bed of Norcros Rapid Porcelain Grey adhesive and allow to dry.
    - Bedding: As clause 710
      - Adhesive: Norcros Rapid Porcelain Grey or Norcros Rapid Porcelain & Stone White with translucent/light coloured tiles.
    - 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.



- 111 TILING TO HUSH - PLY 28 ACOUSTIC DECK
- Tiles: To be confirmed
    - Size:  $\geq 300\text{mm} \times 300\text{mm}$
    - Thickness: To be confirmed
  - Background/ Base: 18mm tongue & groove WBP Plywood with 10mm Hushfelt™ resilient layer.
    - Preparation: As clauses 310 & 395
      - Prime with neat Norcross Prime Bond and allow to dry.
      - Lay Norcross Permalayer anti-fracture membrane in a 2mm bed of Norcross Rapid Porcelain Grey adhesive and allow to dry.
  - Bedding: As clause 710
    - Adhesive: Norcross Thick Bed Stone & Porcelain Grey or White with translucent/light coloured tiles.
  - Joint width: Minimum 3mm
  - Grout: Norcross Flexible Floor & Wall Grout or Norcross 4 into 1 Grout if a fine textured grout is required.
    - Type/ classification: CG2
  - OR
  - Grout: Norcross 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.

## GENERALLY

- 200 NORCROS ADHESIVES PRODUCTS will be applied in accordance with the site work instructions on the manufacturers product data sheets. All Norcross products are covered with a Lifetime guarantee when used in accordance with the manufacturers instructions.
- 210 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.
- 215 FALLS IN BASES
- General: Give notice if falls are inadequate.
- 250 SAMPLES
- General: Submit representative samples of the following: \_\_\_\_\_ .



260 CONTROL SAMPLES

- General: Complete sample areas, being part of finished work, in locations as follows: \_\_\_\_\_ .
- Approval of appearance: Obtain before proceeding

**PREPARATION**

310 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.

395 PLYWOOD FLOORS

- Plywood should be exterior WBP or Marine grade.
- Minimum 15mm thick.
- Screw fixed in accordance with manufacturers instructions
- If there are any doubts as to the rigidity of the boards, then they should be overlaid with exterior WBP grade plywood with a minimum thickness of 15mm to prevent deflection under load, screw fixed at 300mm centres.
- Timber is not generally considered to be a satisfactory background for tiling in wet areas. Norcross Waterproofing Admixture should be mixed with the adhesive when laying the Permalayer anti-fracture membrane in these areas.

**FIXING**

510 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.



#### 530 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.

#### 540 LEVEL OF FLOOR TILING

- Permissible deviation in level from datum for \_\_\_\_\_ .

#### 550 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  $\pm 3$ mm.

#### 560 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.

#### 710 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**

#### 875 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.

#### 885 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.

