M40 Tiling

To be read with preliminaries/ general conditions.

100 Note

1.0 Information to be read in conjunction with MOJO 43 drawing series.

Types of tiling/ mosaic

110A Floor Tiling

1.0	Description:	To WCs and Showers
2.0	Tiles:	Un-glazed Porcelain
2.1	Manufacturer/ Supplier:	Johnson Tiles
2.1.1	Product reference:	Kerastar
2.2	Colour:	Denim Blue
2.3	Finish:	Natural
2.4	Size:	600x600mm
2.5	Thickness:	10.5mm
2.6	Slip potential	36+ PTV Rating
3.0	Background/ Base:	Existing Concrete Floor
3.1	Preparation:	As clauses: 210 & 310
5.0	Bedding:	Thick bed adhesive
5.1	Reinforcement:	As tile manufacturers recommendations
5.2	Adhesive to BS EN 12004:	Contractor's choice
6.0	Joint width:	3mm
7.0	Grout:	Mapei ULTRACOLOR PLUS colour Anthracite
7.1	Type/ classification:	CG2WA

110B Wall Tiling

1.0	Description:	To walls and kitchen splashbacks
2.0	Tiles:	Un-glazed Porcelain
2.1	Manufacturer/ Supplier:	Johnson Tiles
2.1.1	Product reference:	Kerastar
2.2	Colour:	Marine Blue
2.3	Finish:	Natural
2.4	Size:	600x600mm
2.5	Thickness:	10.5mm
3.0	Background/ Base:	Varies - Plasterboard and Blockwork
4.0	Bedding:	Adhesive bed - notched trowel and buttering method, as clause 651
4.1	Adhesive to BS EN 12004:	Contractor's choice
6.0	Joint width:	3mm
7.0	Grout:	Mapei ULTRACOLOR PLUS colour Anthracite
8.0	Accessories:	Allow for stainless steel edge trims

General

210 Suitability of backgrounds/ bases

1.0 Background/ base tolerances: To permit specified flatness/ regularity of finished surfaces given the permissible minimum and maximum thickness of bedding.
2.0 New background drying times (minimum)
2.1 Concrete walls: 6 weeks.
2.2 Brick/ block walls: 6 weeks.
2.3 Rendering: 2 weeks.
2.4 Gypsum plaster: 4 weeks.
3.0 New base drying times (minimum)
3.1 Concrete slabs: 6 weeks.
3.2 Cement:sand screeds: 3 weeks.

215 Falls in the bases

1.0 General: Give notice if falls are inadequate.

Preparation

310 Existing backgrounds/ bases generally

1.0 Efflorescence, laitance, dirt and other loose material: Remove.
2.0 Deposits of oil, grease and other materials incompatible with the bedding: Remove.
3.0 Tile, paint and other nonporous surfaces: Clean.
4.0 Wet backgrounds: Dry before tiling.

320 Existing concrete/ screeds

1.0 Loose or hollow portions: Cut out.
2.0 Making good:

355 Old adhesive residues on concrete/ screed bases

1.0 Soft or unsound adhesive residues: Remove without damaging base.

Fixing

510 Fixing generally

1.0 Colour/ shade: Unintended variations within tiles for use in each area/ room are not permitted.
1.1 Variegated tiles: Mix thoroughly.
2.0 Adhesive: Compatible with background/ base. Prime if recommended by adhesive manufacturer.
3.0 Use of admixtures with cementitious adhesives: Only admixtures approved by adhesive manufacturer.
4.0 Cut tiles: Neat and accurate.
5.0 Fixing: Provide adhesion over entire background/ base and tile backs.
6.0 Final appearance: Before bedding material sets, make adjustments necessary to give true, regular appearance to tiles and joints when viewed under final lighting conditions.
7.0 Surplus bedding material: Clean from joints and face of tiles without disturbing tiles.

530 Setting out

1.0 Joints: True to line, continuous and without steps.
1.1 Joints on walls: Horizontal, vertical and aligned round corners.
1.2 Joints in floors: Parallel to the main axis of the space or specified features.
2.0 Cut tiles: Minimize number, maximize size and locate unobtrusively.
3.0 Joints in adjoining floors and walls: Align.
4.0 Joints in adjoining floors and skirtings: Align.
5.0 Movement joints: Where locations are not indicated, submit proposals.

550 Flatness/ Regularity of tiling/ mosaics

1.0 Sudden irregularities: Not permitted.
2.0 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 and no gap should be greater than 6 mm, i.e. a tolerance of: + 3 mm.

560 Level of tiling across joints

1.0 Deviation (maximum) between tile surfaces either side of any type of joint
1.1 1 mm for joints less than 6 mm wide.
1.2 2 mm for joints 6 mm or greater in width.

590 Coved tile skirtings

1.0 Sequence: Bed solid to wall before laying floor tiles.

710 Adhesive bed – notched trowel and buttering method (floors)

1.0 Application: Floated coat of adhesive to dry base and comb surface.
2.0 Tiling: Apply coat of adhesive to backs of dry tiles. Fill any ribbed, deep keyed or button profiles. Press tiles firmly onto float coat.
3.0 Finished adhesive thickness: Within range allowed by manufacturer.

Movement joints/ grouting/ completion

875 Grouting

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

885 Coloured grout

1.0 Staining of tiles: Not permitted
2.0 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.