

Specifications Ultragres unglazed porcelain floor tiles

Mosa.

For interior and exterior walls and floors

General

Description of the work

1. Provide all tile work for this section complete and properly installed, as shown and specified.
2. Related work detailed elsewhere.

Quality assurance

1. Supply all porcelain tiles in compliance with the American National Standards Institute Specification ANSI A137.1⁽¹⁾ for ceramic tile.
2. All tiles shall be manufactured by Royal Mosa. All tiles shall be supplied by designated distributors and comply with samples approved by the architect.⁽²⁾
3. All porcelain tiles submitted for this work must meet the ANSI and ISO technical ratings as tested by the Tile Council of North America of Anderson, South Carolina. For details please see specific data sheet of relevant series.
4. Mosa porcelain tiles > 12" x 12" should not be installed on fresh mortar beds.
5. Installation shall be done by experienced workmen who are thoroughly versed on the latest edition of the Tile Council of North America Handbook for ceramic tile installation.
6. Upon receipt and prior to installation, contractor shall inspect all products to be in compliance with specification and free from manufacturing defects.

Submittals

1. Submit Royal Mosa technical information and installation materials product data. Include all certificates that demonstrate agreement to the specifications.
2. Submit samples of each Royal Mosa color, size and finish as specified by the architect.
3. All sizes referred to in the Royal Mosa documentation and catalogues are nominal.
4. Slight variations in shade and size are a natural characteristic of all genuine ceramic tiles.⁽²⁾

Product handling

1. All materials must be delivered to the job site and stored in their original unbroken cartons.
2. Royal Mosa porcelain tiles should be stored in a dry covered area.
3. Additional tiles of each finish, color and size should be ordered. This quantity of 2-3% shall be left on site for owner's future perusal.

Product

Tiles

Tiles shall be selected by the architect from the range of colors, sizes and finishes available from Royal Mosa and manufactured in accordance with ANSI A137.1⁽²⁾ and the technical ratings detailed herein at Section General B.3.

Series:
Colors:
Sizes:
Trims and size:

Colors and shades of the tiles shown in the Royal Mosa catalogue are indicative. Please refer to tile samples for actual colors.⁽²⁾ All sizes referred to in the Royal Mosa documentation and catalogues are nominal. Slight variations in shade and size are a natural characteristic of all genuine ceramic tiles.

Installation materials

The contractor shall be or employ a qualified installer and shall furnish all labor, materials and equipment necessary to apply setting and grouting materials on floors and walls as denoted in the specifications and drawings. The installation shall be performed in accordance to the guidelines set out in the latest edition of the Tile Council of North America Handbook for ceramic tile installation, using the appropriate setting method adapted to the substrate in question. Appropriate setting materials must be chosen in compliance with ISO 13007 specifications and compatible with the substrate in question. Thin-set mortars must contain a latex additive to ensure proper bonding with low water absorbing porcelain tiles. Consult the installation materials manufacturer for specific recommendations.

Grouting materials

Appropriate grouting material must be chosen in compliance with ISO 13007 specifications and suitable for the specified application. Consult the grout manufacturer for technical information. Follow the grouting recommendation set out in the Tile Council of America Handbook.

Other materials

Any additional materials necessary for job completion will be as recommended by the architect and should comply with or exceed the ANSI, ISO and TCNA standards.

Installation

Surface preparation

1. The substrate shall be structurally sound, solid and well fastened. New concrete must be properly cured and designed for proper expansion and control joints. Existing joints in concrete sub-walls must be carried through the tile work. Plywood sub-wall must consist of exterior grade plywood. Refer to the latest Tile Council of North America Handbook for specific design criteria.
2. All surfaces must be clean and free from dust, dirt, oil, grease, paint, water, sealers, curing compounds or any other deleterious substances that may reduce or prevent adhesion.
3. Wonder board needs to be used in wet areas like showers and tub surrounds.
4. For thin-bed installations, new concrete surfaces shall be wood-floated or broom-finished. In addition, surfaces must be level and true to a tolerance of +1/8" (3 mm.) in 8' (2.4 m.) for walls and +1/8" (3 mm.) in 10' (3 m.) for floors.
5. Report any unacceptable surface to the architect and do not install the tiles until these deficiencies are corrected.

Setting methods

Royal Mosa tiles may be installed using the thin-bed method, provided the substrate is sufficiently level.

Grouting method

1. Strictly follow the grout manufacturer's instructions.
2. Installation is not completed until all grout haze and residues are removed.

Cleaning and protection

1. Upon completion of installation and grouting, clean the surfaces thoroughly (leave finished installation free of cracked, chipped, broken, unbounded or otherwise defective tile work).
2. Prohibit exposing the tiled surfaces to any charge for a minimum of three days after grouting is completed.
3. Top sealers and waxes. As Royal Mosa Ultragres Tiles are extremely dense, it inhibits the absorption of top sealers and waxes. Therefore, top sealers and waxes are not recommended as they leave a surface of coating that might alter the original look of the tile and undermine its slip resistance properties.
4. Please refer to Royal Mosa's 'Cleaning and Maintenance advice'. Follow the guidelines for builders' clean, deep cleaning and regular maintenance.

Note: This specification is to be used as a guide. The specifier may modify the specification for specific job conditions or applications.

⁽¹⁾ Breaking strength tested according ISO 10545-4. Please refer to our Technical Datasheet Porcelain Floor Tiles, unglazed.

⁽²⁾ Deviations in color and size from the approved samples in regards to the finished product are possible due to the production process of ceramics.

