



**Specifications Ultragres porcelain tiles**

**General**

**Description of the work**

1. Provide all tile work complete and in place, as shown and specified, for a properly completed installation of the work for this section.
2. Related work detailed elsewhere.

**Quality assurance**

1. Furnish all porcelain tiles complying with the American National Standards Institute Specification ANSI A137.1 for ceramic tile.
2. All tiles shall be manufactured by Royal Mosa. All tiles shall be supplied by designated distributors per samples approved by the architect.
3. All porcelain tiles submitted for this work must meet the following technical ratings as tested by the Smith Emery Institute of Los Angeles, California.  
For details please see specific data sheet of relevant series.
4. Installation shall be done by experienced workmen who are thoroughly versed on the Tile Council of America 1989 Handbook for ceramic tile installation.
5. Contractor shall promptly inspect all products immediately upon receipt on manufacturing defects and if in compliance with specified tile before installation.

**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 color and size are a natural characteristic of all genuine ceramic tiles.

**Product handling**

1. All materials must be delivered to the job site and stored in their original unbroken cartons.
2. Royal Mosa 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 use.

**Product**

**Tiles**

Tiles shall be selected by the architect from the colors, sizes and finishes available as manufactured by Royal Mosa in accordance with ANSI A137.1 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.

All sizes referred to in the Royal Mosa documentation and catalogues are nominal.

Slight variations in color and size are a natural characteristic of all genuine ceramic tiles.

**Installation materials**

The contractor shall be a qualified installer and shall furnish all labors, materials and equipment necessary to install setting and grouting materials on floors and walls as denoted in the specifications and drawings.

The installation shall conform to the most recent edition of the Tile Council of America Handbook.

(Setting materials must contain an acrylic additive for appropriate handling).

Thin-set mortars must include a latex additive that is suitable for use with porcelain tile.

Consult with installation materials manufacturer for specific recommendations.

**Grouting materials**

Consult grout manufacturer for technical information. Follow the recommendation of the Tile Council of America Handbook for grouting.

**Other materials**

Any additional materials necessary for job completion will be as recommended by the architect and should exceed the ANSI and TCA standards.

**Installation**

**Surface preparation**

1. 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 most current Tile Council of 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 until these deficiencies are corrected.

**Setting methods**

Royal Mosa tiles may be installed by the thin-set method.

**Grouting method**

1. Follow exactly 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.  
(Leave finished installation free of cracked, chipped, broken, unbounded or otherwise defective tile work).
2. Prohibit exposing the tiled walls 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.
4. Please refer to Royal Mosa's 'Cleaning and maintenance Mosa Ultragres porcelain tiles'. Follow the guidelines for initial cleaning and regular maintenance.

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