

Klinker Sire Custom SPECIFICATIONS

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This specification covers installation of Klinker Sire tiles in interior & exterior areas.

NOTES TO SPECIFIER

Tile and tile bedding and grouting adhesives & mortars do not constitute a waterproof barrier. LATICRETE 9235 thin, load-bearing waterproof membrane should be specified & detailed in all wet areas that are above occupied or enclosed spaces.

This system is rated "Extra Heavy Duty" according to test procedure ASTM C-627. Alternate materials submitted for substitution of below specified materials, components & products must be accompanied by certified laboratory test reports confirming compliance with the written performance specification criteria below and must be laboratory tested and certified to be rated "Extra Heavy Duty." Flooring Systems that are rated "Extra Heavy Duty" are suitable for use in areas ranging from residential to commercial to industrial and are guaranteed to perform suitably and to not deteriorate, breakdown or fail.

The manufacturer of installation materials shall provide a written 10 year warrantee for the installation of tile/stone which shall cover replacement of materials and labor.

MATERIALS:

All Tile, where called for, shall be Klinker Sire Tile as supplied by (... SIRE S.p.A., insert address & contact details for supplier...) SIRE S.p.A. Casello Marene Autostrada TO-SV 12060 RORETO DI CHERASCO (Cuneo) Italia, Tel. +39/0172.471111 - Fax +39/0172.474139, Commerciale Italia Tel. +39/0172.471388 - Fax +39/0172.474674. E-Mail: info@klinkersire.com. Internet: www.klinkershire.com

Materials for Rendering / Screeding shall be Laticrete 3701 / 226. Materials for sound control shall be Laticrete 18 Sound Control Underlayment. Materials for waterproofing shall be Laticrete 9235 waterproof membrane. Materials for fixing & bedding tiles shall be Laticrete 4237 / 211 Latex Thin Set & Medium Bed Adhesive. Materials for grouting tiles shall be Laticrete Floor Grout & Joint Filler fortified with Laticrete 1776 Grout Admix Plus. All rendering, screeding, sound control, waterproofing, tile installation and grouting/pointing materials shall be as supplied by LATICRETE.

PREPARATION:

Prior to commencing the installation, the contractor shall examine the areas to be covered and advise the Main Builder / Owner of any existing conditions or surface contamination which will require correction before the work commences.

MIXING:

Mix according to printed product instructions included with each product package. Mix only long enough to wet out the batch. Do not over-mix.

SURFACE PREPARATION:

Surface to be covered shall be cleaned to remove asphalt, bitumen, soil, dust, curing compounds, form oil, sealants, or grease. Cleaning shall be by means of high-pressure Hydro-blasting Sand/grit blasting or "mechanical scabbling." Surface to receive tile shall be plumb and true within 3 mm in 3 m and shall have a steel trowel or wood float finish. Out-of-plumb, rough or uneven masonry, concrete or mortar bed surfaces should be rendered & made smooth or level with LATICRETE #226 Thick Bed Mortar Mix fortified with LATICRETE 3701 Mortar Admix to provide a steel trowel or wood float quality finish. Dry or dusty concrete surfaces shall be washed and excess water removed before the application of the Laticrete 226/3701 render / screed which shall be applied as a wet, trowelable render and finished to a steel trowel or wood float finish. Dry or dusty surfaces shall be washed and excess water removed before the application of the tile work. Installations may be made on a damp surface.

INSTALLATION OF RENDER / SCREED MORTARS:

Bed thickness shall be from 3 to 50 mm+/- in thickness. Before placing the screed / mortar bed apply a Latex Portland Cement Slurry Bond Coat of Laticrete 3701/211. Place the screed / mortar bed while the slurry bond coat is still wet and tacky. The mortar shall be rodded and compacted with a steel trowel.

The screed mortar bed may be allowed to become firm and then tiles shall be installed by the Thin Bed Method, or, tiles may be installed directly onto the freshly placed "wet" screed mortar bed.

Before placing tile on a green or wet screed bed, a slurry bond coat of LATICRETE 4237/211 latex Portland cement slurry bond coat shall be applied to the mortar bed using a flat trowel and a slurry bond coat shall be applied to the back of each tile just prior to placing on the bed. Tile shall be placed in the wet slurry coat before the surface dries. Uniform joints shall be maintained. After each piece is laid, it shall be beat into place with a wooden block or rubber mallet to embed it and to even the surface, before mortar takes initial set. Surface shall be pitched to drains where specified. On hardened screed or mortar bed, tile shall be installed by the thin bed method.

INSTALLATION OF TILE BY THE THIN BED METHOD:

The LATICRETE 4237 / 211 adhesive shall be applied with a notched trowel using a scraping motion to work the material into good contact with the surface to be covered. A trowel having notches approximately 6mm x 9mm is recommended.

Only as much Adhesive shall be applied as can be covered within 10-15 minutes, or while adhesive surface is still wet and tacky. When installing Tile a small quantity of the adhesive shall be troweled onto the back of each piece. Tile shall then be set in place and rapped or beaten with a small beating block to insure 100% full bedding and a true surface. Tile shall be aligned to show uniform joints and then allowed to set until firm. Excess adhesive must be cleaned from the surface of the Tile with a wet cloth or sponge while the adhesive is fresh.

EXPANSION AND CONTROL JOINTS:

Existing joints in subsurface must be carried through tile work and shall conform to architectural details. Expansion joints shall be installed where tile abuts restraining surfaces, such as perimeter walls, curbs, columns, corners, etc. Expansion joints shall be installed at all "changes of plane" in the tile work.

GROUTING AND POINTING JOINTS:

Joints shall be grouted or pointed with Laticrete Floor Grout & Joint Filler fortified with Laticrete 1776 Grout Admix Plus. Joints shall be packed full and free of all voids and pits. (Tool or rake as specified). Excess grout shall be cleaned from the surface as the work progresses, while grout is fresh and before it hardens. The day after installation grout film or haze shall be removed using a detergent solution.

PROTECTION:

The contractor shall take precautions to protect the finished work from damage by other trades. Do not allow construction traffic on fresh grout joints. Allow the grout to cure for a minimum of 7 days before aggressive technique or steam cleaning.

Cold Weather Note: The curing of tile installation mortars, adhesives & grouts is retarded by low temperatures and finished work should be protected for an extended period of time.

LATICRETE Technical Services provides review of job specifications and plans, project detail planning and review, and provides answers to questions concerning the installation of ceramic tile, brick, marble and stone. World wide: Telephone +1 203 393-0010 x 235, Fax: +1 203 393-1684, E-mail: support@laticrete.com, Internet: www.laticrete.com.

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