

# TILE INSTALLATIONS WITH FLEXTHERM HEATING CABLE

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Flextherm heating cable installations are approved to receive CUSTOM®'s LevelQuik® ES Self-Leveling Underlayment for residential and light commercial use only.

All surfaces to receive LevelQuik® ES must be structurally sound. Surfaces shall be free of dust, wax, sealers, old adhesive residue, curing compounds, oil, gypsum-based underlayments, surface hardeners, paints, old flooring and other foreign material before application of primer. A 3/16" (5 mm) wide gap shall be left at all perimeter edges, walls and around fixed objects to allow for expansion. These gaps shall remain empty when the installation is complete.

## OVER APPROVED PROPERLY PREPARED CONCRETE

Concrete shall be completely exposed, fully cured (28 days minimum), and free of moisture and efflorescence. Smooth, steel troweled concrete floors must be roughened to ensure a good bond. Prime cleaned surface with LevelQuik® Latex Primer at a diluted 1 to 1 ratio with water.

After the primer has dried, install Flextherm components per manufacturer directions. Install LevelQuik® ES, making sure to cover cable a minimum of 1/4" (6 mm).

## OVER APA APPROVED EXTERIOR GRADE PLYWOOD

Plywood surfaces shall be of exterior grade, and when placed over conventional floor joists, shall be of a design and thickness to provide a secure, rigid substrate base. Allow a gap of 3/16" to 1/4" (5 to 6 mm) between sheets of plywood. Apply minimum 1" wide masking tape to these gaps prior to the application of LevelQuik® Latex Primer.

Prime cleaned surface with LevelQuik® Primer diluted at a 1 to 1 ratio with water. After primer has dried, fasten plastic lath to the subfloor every 2" (5 cm) around the perimeter and every 4" (10 cm) in the field. The metal lath must be butted, not overlapped. Stagger lath joints so they don't line up with underlying substrate joints. Install Flextherm components over the lath per manufacturer's directions. Install LevelQuik® ES, making sure to cover the cable a minimum of 1/4" (6 mm).

- A minimum cure of LevelQuik® ES is obtained in 12 to 24 hours.
- Check for moisture prior to installation of moisture sensitive flooring materials.
- The use of an anti-fracture membrane such as RedGard® is highly recommended.
- For ceramic tile installations, bond tile with FlexBond® Fortified Thin-Set Mortar.
- A waiting period of 10 to 14 days after installation of finished flooring is required prior to putting the radiant floor heating system into service.

Additional product information may be referenced from the LevelQuik® ES product information sheet. Contact CUSTOM® Technical Services for methods not covered in this bulletin.

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 Technical Services 800-282-8786  
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