

# Specifications



Floor Warming and Heating Systems

## 1 Scope

This specification covers the modular FLEXSnap+ individual mesh and the FLEXSnap-R+ roll made of mesh and its installation concept.

## 2 Applicable documents

### 2.1 Mesh

Tested by the Tile Council of North America and classified “Extra Heavy”  
ASTM C627: Robinson – Type Floor Test

## 3 Specifications

- Replaces the underlayment in the floor structure.
- Compatible with the **Green Cable Surface** and **Green Cable Surface XL**.
- Protects the cable from being damaged during and after the installation.

### 3.1 Dimensions

The dimensions of the individual mesh are 61 cm x 61 cm (24 in x 24 in) with an 8 mm (5/16 inch) thickness. The dimensions of the FLEXSnap-R+ roll are 4 ft x 40 ft with an 8 mm (5/16 inch) thickness. The mesh has grooves that are spaced at 2.5 cm (1 in) intervals for inserting the cable according to the type of installation. The mesh has universal spigot ends for easier and faster installation.

### 3.2 Construction

The modular mesh underlayment system will be manufactured with a polyolefin.

### 3.1 Compatibility with installation surfaces and floor coverings

With self-levelers:

- All tile sizes.
- Ceramic and porcelain, engineered wood, floating floor, linoleum, carpet (without rubber backing or carpet padding), vinyl and parquet.
- Installation on plywood subfloors, OSB panels (approved by the local building code) or concrete with any cement-based self-leveler adapted to the subfloor with the following recommended thickness of self-leveler.

CENTRE TO CENTRE JOIST SPACING	CERAMIC AND PORCELAIN TILE*	SOFT FLOOR AND WOOD FLOOR COVERINGS**
JOISTS UP TO 19.2"	3/8" self-leveling underlayment	5/8" self-leveling underlayment
24" JOISTS	Double up the subfloor with plywood or OSB boards with a minimum thickness of a 5/8" + 3/8" minimum thickness of Self-leveling underlayment	Double up the subfloor with plywood or OSB boards with a minimum thickness of a 5/8" + 3/8" minimum thickness of Self-leveling underlayment

\*Refer to TCNA article RH140-15 for full recommendations.

\*\* For floor coverings other than ceramic, always check with the manufacturer of the floor covering to make sure its product is compatible with floor heating systems.

With mortars:

- 8" x 8" or larger ceramic and porcelain tiles.
- Tiles with a minimum thickness of 5/16".
- Installation on plywood or concrete subfloors with mortars approved by FLEXHERM on joists spaced up to 16".

**Writer's notes:**

Make the selection according to the specific project.

For a complete list of polymer-modified mortars approved by FLEXTHERM, visit our website at: [www.flextherm.com](http://www.flextherm.com).

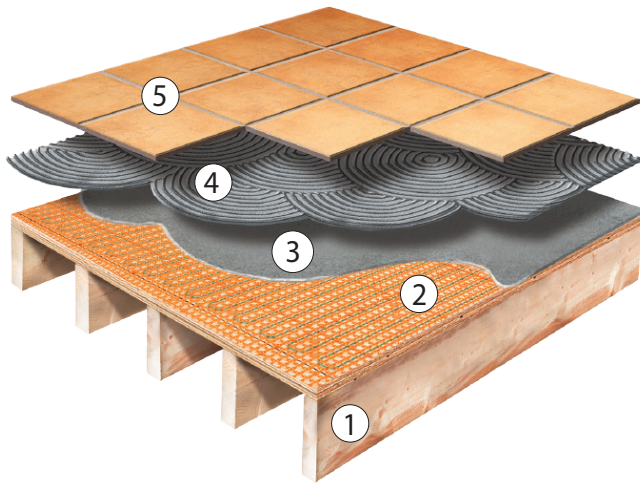
### 3.4 Products specified

- Room : \_\_\_\_\_
  - Surface to be covered : \_\_\_\_\_
- FLEXSnap+**  
Box of 8 individual mesh – 32 square foot  
(write down the required quantities)
- \_\_\_\_\_
- GSTPPLUS
- \_\_\_\_\_
- FLEXSnap-R+**  
Roll of 4 ft x 40 ft - 160 square feet  
(write down the required quantities)
- \_\_\_\_\_
- GSTPRPLUS
- \_\_\_\_\_

## 4 Installation

- Install FLEXSnap+ individual tiles or unroll the FLEXSnap-R+ roll and secure them to the floor in accordance to the FLEXSnap+ installation guide.
- Install the Green Cable *Surface* and the Green Cable *Surface XL* with the FLEXGlide tool.
- Fasten the thermostat floor sensor to the mesh, centering it between two heating cables in accordance to the installation guide.
- Screed and lay the ceramic tiles.
- Grout the tiles when the floor is completely dry and it is possible to walk on it.
- The system can be operated only after the curing period recommended by the manufacturer is completed. This waiting period is essential to ensure that the polymer-modified mortar or self-leveler is properly set.
- Please refer to the installation guide for complete instructions, available with the product and on our website [www.flextherm.com](http://www.flextherm.com).

## 5 Application



- 1 Wood or concrete subfloor
- 2 FLEXSnap+ individual mesh or FLEXSnap-R+ roll and floor heating system
- 3 Polymer-modified mortar or self-leveler
- 4 Polymer-modified mortar
- 5 Floor covering

## 6 Quality assurance

### 6.1 Warranty

The FLEXSnap+™ mesh and FLEXSnap-R+ shall bear a 25 year limited warranty against any manufacturing defect when it's installed in conformity with the installation guide.

Please refer to the complete warranty card available in the installation guide included with the product or on our website [www.flextherm.com](http://www.flextherm.com).

## 7 Packaging

The product is shipped in a box clearly identified with its contents. Each box shall include

- 8 pieces of individual mesh or a roll;
- Installation instructions.