

## APPROVED AND NON-APPROVED SUBFLOORS

### APPROVED SUBFLOORS

- Flat, stable, and firm subfloor.
- Flatness tolerance required:
  - ≤ 1/8 in over 6 ft
  - ≤ 3/16 in over 10 ft

equivalent in ACI terms to FLAT (FF35/FL25) or higher.

- Subfloors without visible irregularities or floating areas.
- Dry subfloors within the following moisture limits:
  - **Cement subfloor:** ≤ 2.5 % CM (≈ 7 % RH)
  - **Anhydrite (gypsum) subfloor:** ≤ 0.5 % CM (≈ 50 % RH)
- With underfloor heating:
  - **Cement subfloor:** ≤ 1.5 % CM (≈ 60 % RH)
  - **Anhydrite (gypsum) subfloor:** ≤ 0.3 % CM (≈ 40 % RH)

### NON-APPROVED SUBFLOORS

- Carpets or other floating or soft floors.
- Wet mortar (above the limits mentioned above).
- Subfloors with dirt, debris, grease, wax, or other residues.
- Uneven or unstable floors.

**Important:** failure to comply with these conditions may void the product warranty.

### TEMPERATURE RANGE

- During installation: between 50 °F and 158 °F.
- After installation, temperatures from 14°F to 140°F in regular use without critical deformation.
- With underfloor heating: temperature must not exceed 81 °F in direct contact with the system.

## STEP-BY-STEP INSTALLATION

### 1. SUBFLOOR PREPARATION

- Ensure it is dry, clean, level, and free of debris.
- Check that it meets moisture and flatness requirements.
- Leveled floor is required. If not, a self-leveler is recommended.

### 2. PLACEMENT

- Place the pieces on the subfloor.
- Assemble the pieces using the joint system.
- Leave 3/16 - 5/16 in. (≈ 5 - 8 mm) perimeter joint around walls, columns and doorways.
- The PVC rail shouldn't be removed when installed at the end of a run near a wall.
- Minimum Tile Length:
  - The smallest tile length that can be cut: ≥ 4 in. (100 mm).
  - Maintain a minimum cut length of 4 in. for proper dimensional stability.
  - Avoid end cuts smaller than 4 in. (100 mm).

- Offset Installation
  - 8x48 / 24x48 - Straight Installation (0% Offset) is the recommended layout, providing a clean, modern look that highlights the length and elegance of each piece.
  - If you prefer an offset pattern for aesthetic reasons, the offset should not exceed 30% to ensure optimal performance and a harmonious visual result.
- Radiant Heat Installation Details:
  - Maintain a gap between heating coils and the IXPE backing layer.
  - Heating elements must be embedded in a screed or covered with a self-leveling compound.
  - The minimum cover above heating coils should be 1/4 in. (≈ 6 mm) before installing Simplinstall.
  - Maintain an expansion gap of at least 3/16 - 5/16 in. (≈ 5 - 8 mm) at walls, door frames, columns, and other fixed structures.

**Important:** If a wet saw is used, ensure all the tiles are fully dry before their installation

### 3. BASEBOARDS AND FINISHES

- Fill perimeter joints with a flexible material, such as silicone sealant or backer rod, and cover as required with baseboards.
- Fill the joints with flexible grout type CG2WA.

## DISMANTLING AND REPLACEMENT

To dismantle or replace a piece:

- Identify the damaged tile. Inspect the piece and ensure surrounding tiles are intact, in the case of a tile breaking, we recommend removing the entire row of tiles.
- Remove surrounding pressure. If possible, start from a perimeter edge of the installation (near a wall, skirting, or transition strip). Removing adjacent perimeter pieces first makes replacement much easier.
- Lift or disengage the damaged piece. If accessible from the perimeter, carefully lift the tile upward at an angle to disengage it from the locking rails.
- If the tile is surrounded, carefully cut the damaged tile into sections using a ceramic tile cutter, then lift the sections out. Use a utility knife to separate the IXPE underlay and joint system without damaging neighboring tiles.
- Prepare the space. Remove any debris, adhesive residue, or broken pieces of the joint system. Ensure the IXPE underlayment and rails of surrounding tiles are intact.
- Install the replacement tile. Angle and click the new tile into place using the original joint system.
- Ensure that the new piece locks tightly with adjacent tiles and that the perimeter and expansion gaps (≥ 8 mm at walls, doors, columns, etc.) are respected.
- Finish. Replace skirting boards or profiles if they were removed. Clean the area as you would with standard porcelain flooring.

## REQUIRED TOOLS



(Score & Snap)  
**Tile Cutter**

**Flexible Grout  
Type CG2WA**



Utility **knife** for the attached pad and joint system.



A **self leveler** if the subfloor does not meet the flatness tolerance.



**Ruler** and level to ensure flatness.



**Caulking or silicone** for outer parts of the room.

Please read all the instructions before you begin the installation. Improper installation will void warranty. Every application and installation is different therefore we strongly recommend the customer consult a licensed installer/contractor to verify that the conditions and application meet local requirements or industry expectations. Any installation guidelines are not intended to supersede federal, state or local regulations which may require modifying the existing installation, materials or structural components. The owner assumes responsibility for compliance with all building codes, including maintaining the required

**! IMPORTANT:** Installation Instructions - We recommend wet cutting or the score and snap method during the installation process. Improper installation techniques could expose the installer to harmful silica dust. Do not dry cut product using power tools during the installation process. Using dry cutting methods could present a risk of acute lung injury. If adequate ventilation cannot be achieved, wear a mask or respirator.