



# 12-STEP BATHROOM UNDERFLOOR HEATING PLANNING CHECKLIST

*Avoid costly mistakes by following a proven installation planning framework.*

## PHASE 1: SYSTEMS & SELECTION

- 1. Electric vs. Wet Assessment:**  
Determine if electric mats (ideal for retrofits) or wet water-based networks match your floor height limits.
- 2. Thermal Wattage Load:**  
Calculate required wattage (typically 150W-200W per m<sup>2</sup>) to serve as primary heating or companion comfort.
- 3. Floor Build-Up Budgeting:**  
Measure vertical floor clearances to accommodate insulation, heating elements, self-levelling screed, and tiles.

## PHASE 2: STRUCTURAL SUBFLOORS

- 4. Deflection Elimination:**  
Inspect structural timber subfloors for structural bounce and brace them securely to prevent future tile cracking.
- 5. Thermal Insulation Boards:**  
Plan for high-density boards to force heat energy upward and drastically cut warm-up times.
- 6. Subfloor Level Testing:**  
Ensure the structural subfloor is perfectly clean, completely flat, and free of moisture before laying mats.

## PHASE 3: LAYOUT & INFRASTRUCTURE

- 7. Net Floor Area Layout:**  
Map layout parameters to bypass static fixtures like toilets, baths, floating vanity legs, and wastes.
- 8. Thermostat & Probe Run:**  
Route floor sensor conduits centrally between two heating wire lines, avoiding external heat bottlenecks.
- 9. Amperage Capability Check:**  
Confirm your electrical consumer unit carries sufficient spare load capacity via a dedicated RCD.

## PHASE 4: FINISH & TESTING

- 10. Multi-Stage Resistance Checks:**  
Test wire resistance parameters before, during, and directly after screed application to verify cable integrity.
- 11. Flex Screed & Adhesive:**  
Specify premium flexible self-levelling compounds and tile adhesives formulated for regular thermal expansion.
- 12. Managed Thermal Curing:**  
Wait a complete 14–21 day window before incrementally turning on the heating element to protect structural adhesion.

Protect your luxury bathroom investment with professional, faultless heating planning. Reach out to our design and technical team for elite site planning.

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