

## CALCULATING THE SURFACE COVERAGE

PRECISE MEASUREMENTS, THE KEY TO A SUCCESSFUL INSTALLATION!



Floor Warming and Heating Systems

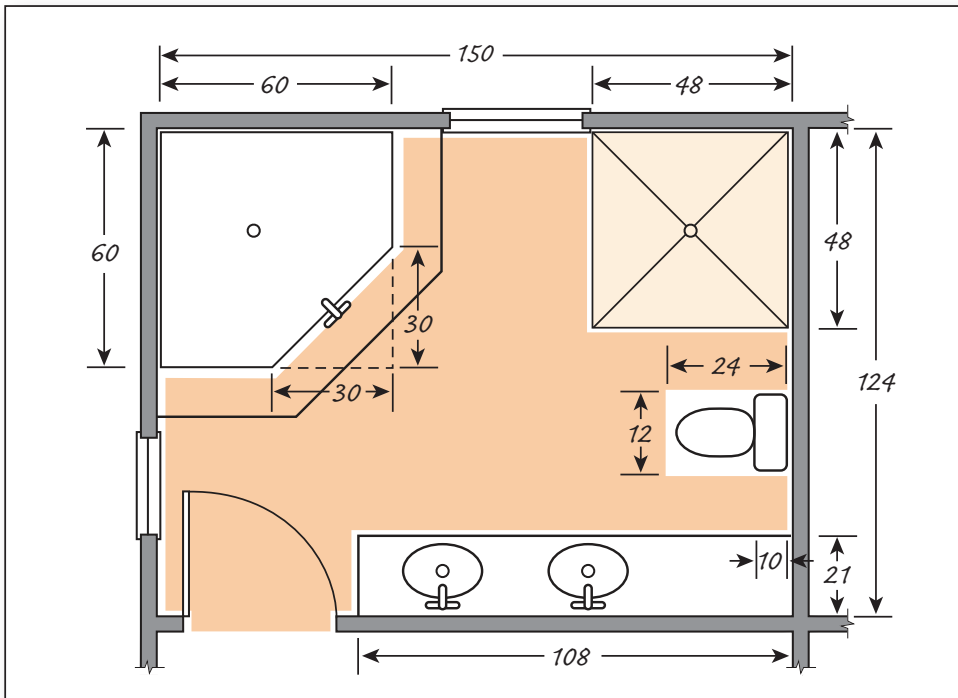
**Step 1:** Calculate the total surface area of the room.

**Step 2:** Calculate the surface area of the permanent fixtures.

**Step 3:** Subtract the surface area of the permanent fixtures from the total surface area.

The result is the maximum area to be covered.

### Example



Heated area  
 Permanent fixtures

*Note: You can also heat a shower floor but you must install a specific cable inside a ceramic shower.*

*\* Take measurements from the toe kick.*

**Step 1: Calculate total surface area:**  $150 \text{ in} \times 124 \text{ in} = 18,600 \text{ in}^2$  or  $129.2 \text{ ft}^2$  ( $\text{in}^2 \div 144 = \text{ft}^2$ )

**Step 2: Calculate the area of the permanent fixtures:**

	Dimensions	Angles to include	Surface area $\text{in}^2$	$\text{ft}^2$
Shower:	48 in x 48 in =		2304 $\text{in}^2$	16 $\text{ft}^2$
Bath:	60 in x 60 in	- 450 in = $(30 \text{ in} \times 30 \text{ in}) \div 2 =$	3150 $\text{in}^2$	21.9 $\text{ft}^2$
Vanity*:	108 in x 21 in =		2268 $\text{in}^2$	15.8 $\text{ft}^2$
Toilet:			288 $\text{in}^2$	2 $\text{ft}^2$
			8010 $\text{in}^2$	55.7 $\text{ft}^2$

**Step 3: Subtract the permanent fixtures from the total surface area:**  $129.2 \text{ ft}^2 - 55.7 \text{ ft}^2$

**Maximum area to be covered: 73.5  $\text{ft}^2$**