Schluter®-DITRA-HEAT Calculation Sheet

Both membrane and cables need to be calculated.

FOLLOW THE STEPS BELOW:

- DITRA-HEAT* **membrane** is selected according to the size of the **area to be tiled**
- DITRA-HEAT-E-HK **heating cable** is selected according to the size of the **area to be heated**
- DITRA-HEAT-E-HK **heating cable** selection will also be impacted by choice of **cable spacing** depending upon the **specific application**[1]
- Applications that combine DITRA-HEAT-E-HK heating cable(s) with **AFCs (Alternate Floor Coverings)** require the use of a continuously alternating 3-2 stud spacing[2]
- The allowable heated area is limited by the **minimum required spacing from fixed elements**[3] – See chart above
- Multiple DITRA-HEAT-E-HK heating cables can be connected in parallel and controlled by a single DITRA-HEAT-E thermostat, if the total current **does not exceed 15 amps**
- If the total current is over 15 amps, an additional DITRA-HEAT-E thermostat or **DITRA-HEAT-E power module** is required
- IMPORTANT: Heating Cables **CANNOT BE CUT** to fit or installed under any fixed objects with no air space beneath
- For a complete list of all installation requirements, please refer to the DITRA-HEAT Installation Handbook

Notes:
1. See the *Installation*, *Warnings*, and *Heating Cable Specification* sections of the DITRA-HEAT Installation Handbook
2. See the *Alternative Floor Coverings* and *Heating Cable Specification* sections of the DITRA-HEAT Installation Handbook
3. See the *Warnings* section of the DITRA-HEAT Installation Handbook for a complete list

Minimum spacing requirements from:		
Fixed elements	**Distance**	
	in.	**mm**
Walls, partitions, and fixed cabinets*	2	50
Plumbing drains	4	100
Forced air heating vents	4	100
Heat sources (baseboard heaters, fireplaces, etc.)	8	200
Centerline of toilet drains	7	180
Linear drain (channel body edges)	1	25

* From toe-kick recess

Try the Calculation Sheet… or Download our App with DITRA-HEAT Estimator!

SCAN HERE

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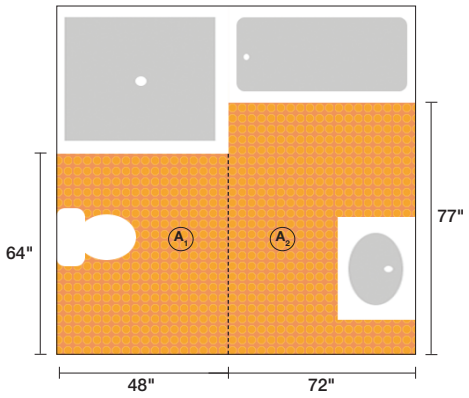
Step 1 - Draw room

Draw the room floor plan on the other side of this sheet.

Step 2 - Calculate membrane required

Measure areas where the membrane will be installed. The total will tell you how much DITRA-HEAT* membrane is required.

Example



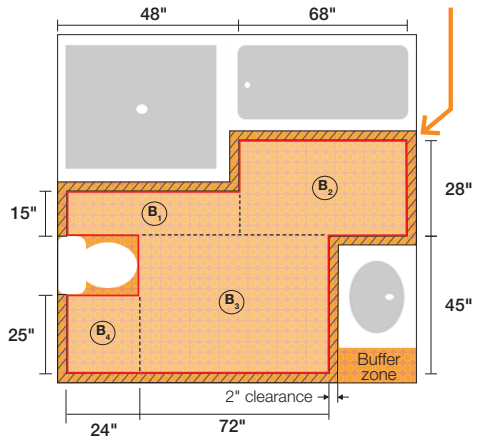
DITRA-HEAT*
Membrane

Area	Dimensions	Total
A_1	64" x 48"	3072 in²
A_2	77" x 72"	5544 in²
A_3	-	-
A_4	-	-
	Divide total by 144 to get measurement in ft²	8616 in² ÷ 144
	Grand Total Membrane	59.8 ft²

Step 3 - Calculate cable size(s)

Measure areas where the heating cable is to be installed. The total tells you the maximum DITRA-HEAT-E-HK heating cable amount. Remember to account for required clearances: walls, partitions, and fixed cabinets is 2"; plumbing drains is 4"; heat sources is 8"; centerline of toilet drains is 7"

Example



DITRA-HEAT-E-HK
Heating Cable

When choosing the appropriate heating cable(s) size(s), please consider whether you require 3 stud cable spacing or alternating 3-2 stud cable spacing.

Area	Dimensions	Total
B_1	15" x 48"	720 in²
B_2	28" x 68"	1904 in²
B_3	45" x 72"	3240 in²
B_4	25" x 24"	600 in²
	Divide total by 144 to get measurement in ft²	6464 in² ÷ 144
	Grand Total Heating Cable	44.9 ft²

*DITRA-HEAT / DITRA-HEAT-DUO / DITRA-HEAT-PS / DITRA-HEAT-DUO-PS

NOTE: This is a typical estimation for the installation of ceramic and stone tile. For applications using alternative floor coverings, please refer to the Alternative Floor Coverings section of the DITRA-HEAT Installation Handbook

Schluter®-DITRA-HEAT Calculation Sheet

Area	Dimensions (inches)	Total
A_1		
A_2		
A_3		
A_4		
Divide total by 144 to get measurement in ft²		÷ 144
Grand Total Membrane		

Area	Dimensions (inches)	Total
B_1		
B_2		
B_3		
B_4		
Divide total by 144 to get measurement in ft²		÷ 144
Grand Total Heating Cable		

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