

Floor Finishes & Outputs

Data Sheet 14
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Floor Finishes

The following precautions are a guide and should be taken into account when applying the following floor finishes with USL underfloor heating. Manufactures instructions and or recommendations must always prevail. All screeded floors must be dry and the moisture level must always be within the flooring manufactures instructions and tolerances. see Data Sheet 12 – Initial Heat up Procedure & EN 1264-4:2001 (E)

Ceramic Finishes The Underfloor Heating should be turned off 24 hours prior to laying the ceramic floor finish and should not be turned on again until 7 days after completion of the floor laying.

Plastic, Rubber & Vinyl Finishes The Underfloor Heating should be turned off 24 hours prior to laying any surface fillers and or adhesives and should not be turned on again until 48 hours after completion of the floor laying.

Carpet Finishes The Underfloor Heating should be turned off 24 hours prior to laying and should not be turned on again until 24 hours after completion of the floor laying.

Timber Finishes Timber finishes should be stored within the room they are to be installed, with the underfloor heating on for a minimum of 5 days. This will allow the timber to acclimatise to the underfloor heating and for the moisture content of the timber to stabilise. The Underfloor Heating should be turned off and allowed to cool prior to laying the timber finish and should not be turned on again until 24 hours after completion of the floor laying.
The initial heating up procedure, see Data Sheet 12 – Initial Heat up Procedure, should be applied to minimise the risk of thermal shock to the timber finish.

Outputs

		Underfloor Heating Output Wm ²			
		Pipe Installed at 200mm Centres		Pipe Installed at 300mm Centres	
Floor Finish	Resistance	50 / 40 ° C	55 / 45 ° C	50 / 40 ° C	55 / 45 ° C
<i>Ceramic Finishes</i>		111	134	85	103
<i>Vinyl Finishes</i>		87	104	69	84
<i>Carpet Finishes</i>		72	87	60	72
<i>Timber Finishes</i>		62	74	Not Recommended	Not Recommended

The above table is an approximate output per M² based on an ambient room temperature of 20° C and a outside temperature of -3° C. This can be affected by various factors such as the thickness of the floor finish, number of air changes etc. We are only able to calculate your exact underfloor heating output at the design stage.