

UNDERFLOOR HEATING

Materials enquiry

Please quote for the items below. Types are named without a manufacturer - an equivalent may be offered.

FROM

Miller Heating

Mark Miller

Tel.

TO THE WHOLESALER

Reply by:

Project

Two-storey house, Rowan Close

Loops

14

Area

115.6 m²

Pipe

16×2 mm

From the design

Quantities from the loop drawing

ITEM		ORDER		WHOLESALER
Item		Qty	Unit	Price / wholesaler notes
☐ Heating pipe 16×2 mm, $\lambda = 0.35 \text{ W}/(\text{m}\cdot\text{K})$ (e.g. PE-X, PE-RT), 600 m coil A different pipe changes the calculation		1	coil	
☐ Heating pipe 16×2 mm, $\lambda = 0.35 \text{ W}/(\text{m}\cdot\text{K})$, 200 m coil		2	coil	
☐ Manifold with flow meters, 8 circuits (R1, Ground floor)		1	pcs	
☐ Manifold with flow meters, 8 circuits (R1, First floor)		1	pcs	
☐ Compression fitting 16×2 (Eurocone), 2 per loop		28	pcs	
☐ 90° bend guide, 16 mm, 2 per loop		28	pcs	
☐ Thermoelectric actuator, 1 per loop		14	pcs	
☐ Movement joint profile across doorways and between fields over 40 m ² , 8 m or 2:1 (11)		10	m	
☐ Pipe sleeve 0.3 m 2 per feeder crossing of a joint (15)		30	pcs	

Coil cutting plan

3 coils · 1,000 m · offcut 171.4 m

600 m coil 0/3, 0/6/B, 1/5/B, 0/1/A, 1/6/B, 0/6/A, 1/5/A, 0/1/B, 0/2

offcut 147.2 m

200 m coil

offcut 1.7 m



200 m coil

offcut 22.5 m



loop, length to cut offcut

82782 m of pipe in 14 loops, with 1.0 m spare per loop; 200, 600 m coils, packed for the whole job

Loops are never joined in the screed - each is cut from one coil.

The pipe to order is, for each loop, the larger of two lengths - drawn, or area ÷ pitch - plus the connection run and the spare, so it can exceed the loops table's total. The list never orders short.

Confirm before ordering

Quantities from assumptions, not from the drawing

ITEM		ORDER		ASSUMPTION	WHOLESALE
Item		Qty	Unit	Assumed	Price / wholesaler notes
☐ Insulation under the loops, Ground floor		61.8	m ²	58.78 m ² heated +5%, R ≥ 1.25 m ² K/W	
☐ Insulation under the loops, First floor		62.4	m ²	59.4 m ² heated +5%, R ≥ 0.75 m ² K/W	
☐ Edge insulation strip 150 mm		6	roll	perimeter 139.42 m +5%, 25 m roll	
☐ Grid-printed foil		137	m ²	insulation +10% for overlaps	
☐ Pipe clips (tacker staples) 16 mm		7	box	1 every 0.40 m of pipe, box of 300	
☐ Wiring centre		2	pcs	1 per manifold with actuators	
☐ Room thermostat		10	pcs	1 per room with a loop	

Order the insulation only if it is not already part of the floor build-up in the building design. Insulation and strip are counted under the loops - floor with no heating under it is not included. Not included: manifold cabinets, pump and mixing group, and screed - they depend on the system and the building design. Quantities are approximate.