Uponor Comfort E Cable Mat

System description

Electrical radiant heating roll out mats as embedded floor heating under all floorings in particular tiles, 160 W/m²

- 3mm shielded double core cable with 4m cold connector
- Heating conductor with FEP electrical isolation
- 4.000 M Ohm - Insulation Resistance
- Cable sew up on self attaching carrier mat; 0,5 m wide
- Incl. protection tube for the floor sensor
- IPX7 - CE / VDE/ BEAB approved

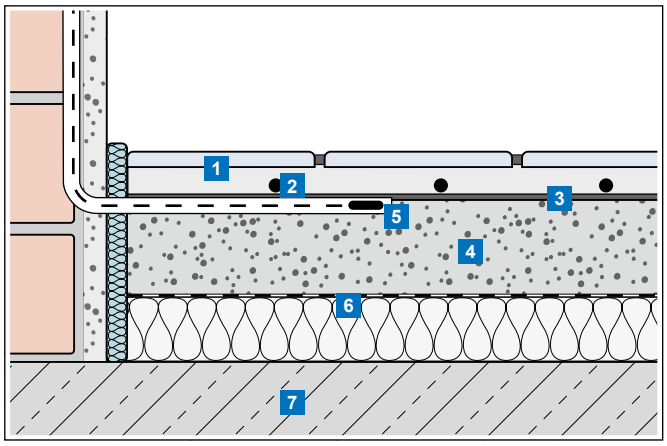
to use for Renovation & new build wet floor construction e.g. bathrooms with tiles

Technical specifications

Uponor Comfort E cable mat	
Nominal voltage	230 V, AC
Rated capacity	160 W/m²
Circuit breaker[1)] with C-Characteristics	Max. 16 A
Min. bending radius	30 mm
Min. installation distance	60 mm
Max. operating temperature	+90 °C
Min. installation temperature	+5 °C
Conductor cross section of the connection cable	3 x 0,75 mm²
Lenght of the connection cable	4,0 m
Approvals	VDE, CE, BEAB

[1)] *When several heating mats are connected to a fuse box, the total connection current of the mats is limited to max. 16 A.*

Floor construction (Example)



1 *Tile adhesives with tiles*
2 *Uponor Comfort E heating mats*
3 *Optional: primer, filler*
4 *Screed*
5 *Floor sensor in protective tube*
6 *Insulation layer with insulation layer cover*
7 *Load-bearing substrate (eg concrete)*

Heating mat type	Laying area (m²)	Heating mat length (m)	Heating mat capacity (W)	Heating mat resistance[1)] (Ω)
UPONOR COMFORT E CABLE MAT 160-1	1	2	160	329
UPONOR COMFORT E CABLE MAT 160-1,5	1,5	3	240	224
UPONOR COMFORT E CABLE MAT 160-2	2	4	320	171
UPONOR COMFORT E CABLE MAT 160-2,5	2,5	5	400	132
UPONOR COMFORT E CABLE MAT 160-3	3	6	480	107
UPONOR COMFORT E CABLE MAT 160-4	4	8	640	85
UPONOR COMFORT E CABLE MAT 160-5	5	10	800	69
UPONOR COMFORT E CABLE MAT 160-6	6	12	960	55
UPONOR COMFORT E CABLE MAT 160-7	7	14	1120	48
UPONOR COMFORT E CABLE MAT 160-8	8	16	1280	42
UPONOR COMFORT E CABLE MAT 160-10	10	20	1600	33
UPONOR COMFORT E CABLE MAT 160-12	12	24	1920	28

[1)] *Tolerance -5% to +10%*