

# TECHNICAL DATA SHEET

# BLACK

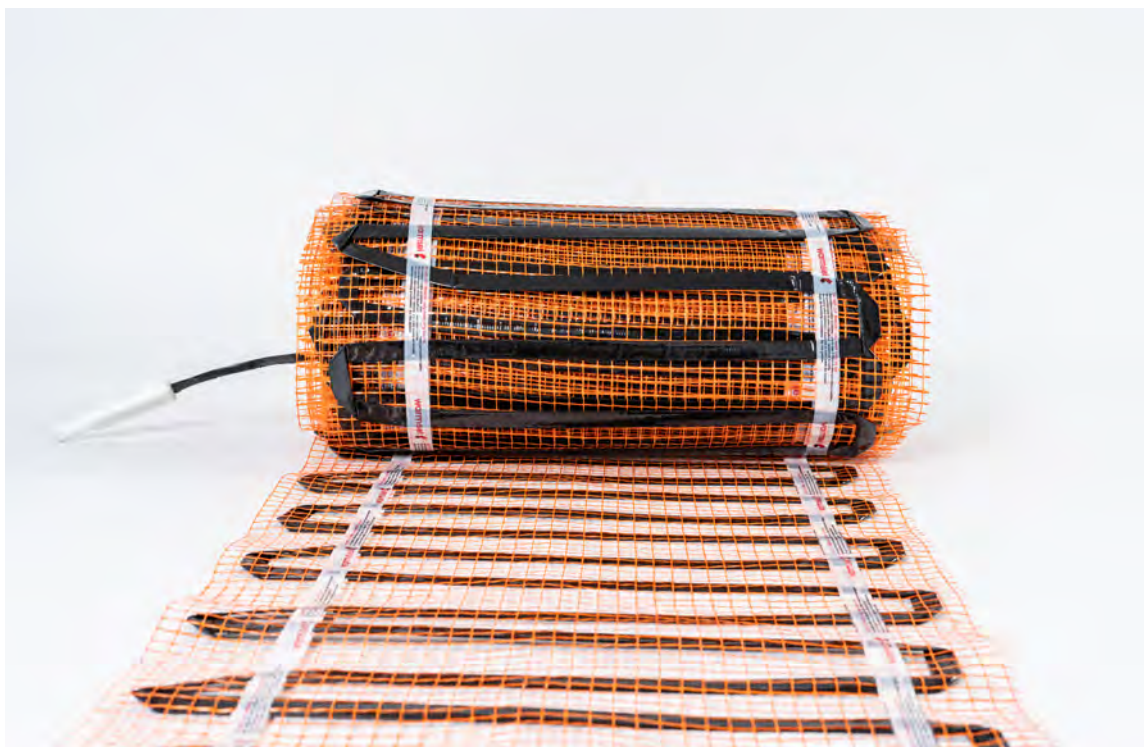
# FIBERGLASS



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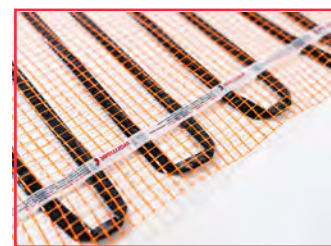
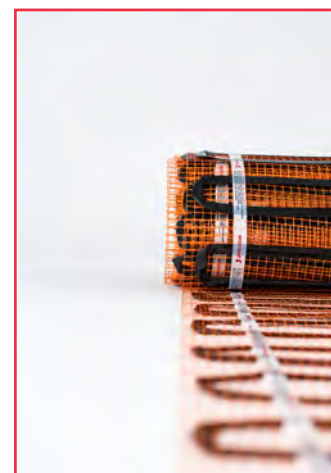
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## BLACK FIBERGLASS



**Warmset's Black** technology has an outer covering in the form of a polypropylene sheath. This property allows the under floor heating system that you will put together to cover even **large surfaces** and makes it suitable both for home heating and for heating industrial warehouses, greenhouses, crops and sports fields.

The fiberglass mesh on which is fixed the Warmset multilayer laminated ribbon, is gathered in mats for convenient laying; the mesh is also used to be embedded in screed and glue, **preventing breaks and cracks**. The hank is designed to be installed in **both indoor and outdoor loors** of homes and industrial warehouses, but even underneath grass lawns.



## GUARANTEES AND CERTIFICATIONS



# DIMENSIONS AND CHARACTERISTICS

## BLACK FIBERGLASS

COVERED AREA (m <sup>2</sup> )	DIMENSION (LINEAR METER)	65W/m <sup>2</sup>		85W/m <sup>2</sup>	
		MODEL	POWER (W) AMP(A) / OHM(Ω)	MODEL	POWER (W) AMP(A) / OHM(Ω)
0.5	0,5X1	WHB-0.5-65	32.5W 0.14A / 1627.7Ω	WHB-0.5-85	42.5W 0.18A / 1170Ω
1.0	0,5X2	WHB-1-65	65W 0.28A / 813.8Ω	WHB-1-85	85W 0.36A / 622Ω
1.5	0,5X3	WHB-1,5-6	97.5W 0.42A / 542.6Ω	WHB-1.5-85	127.5W 0.55A / 415Ω
2.0	0.5X4	WHB-2-65	130W 0.57A / 406.9Ω	WHB-2-85	170W 0.74A / 311Ω
2.5	0.5X5	WHB-2,5-65	162.5W 0.71A / 325.5Ω	WHB-2.5-85	213W 0.92A / 249Ω
3.0	0.5X6	WHB-3-65	195W 0.85A / 271.3Ω	WHB-3-85	255W 1.11A / 207Ω
3.5	0.5X7	WHB-3,5-65	227.5W 0.99A / 232.5Ω	WHB-3.5-85	298W 1.29A / 178Ω
4.0	0.5X8	WHB-4-65	260W 1.13A / 203.5Ω	WHB-4-85	340W 1.5A / 155.6Ω
4.5	0.5X9	WHB-4,5-65	292.5W 1,278A / 180.9Ω	WHB-4.5-85	383W 1.7A / 138.3Ω
5.0	0.5X10	WHB-5-65	325W 1.41A / 162.8Ω	WHB-5-85	425W 1.85A / 125Ω
6.0	0.5X12	WHB-6-65	390W 1.70A / 135.6Ω	WHB-6-85	510W 2.21A / 104Ω
7.0	0.5X14	WHB-7-65	455W 1.98A / 116.3Ω	WHB-7-85	595W 2.58A / 88.9Ω
8.0	0.5X16	WHB-8-65	520W 2.26A / 101.7Ω	WHB-8-85	680W 2.95A / 77.8Ω
9.0	0.5X18	WHB-9-65	585W 2.54A / 90.4Ω	WHB-9-85	765W 3.33A / 69.2Ω
10.0	0.5X20	WHB-10-65	650W 2.83A / 81.4Ω	WHB-10-85	850W 3.70A / 62.2Ω
12.0	0.5X24	WHB-12-65	780W 3.39A / 67.8Ω	WHB-12-85	1020W 4.43A / 51.8Ω
14.0	0.5X28	WHB-14-65	910W 3.96A / 58.1Ω	WHB-14-85	1190W 5.17A / 44.5Ω

# DIMENSIONS AND CHARACTERISTICS

## BLACK FIBERGLASS

COVERED AREA (m <sup>2</sup> )	DIMENSION (LINEAR METER)	100W/m <sup>2</sup>		120W/m <sup>2</sup>	
		MODEL	POWER (W) AMP(A) / OHM(Ω)	MODEL	POWER (W) AMP(A) / OHM(Ω)
0.5	0,5X1	WHB-0.5-100	50W 0.21A / 1058Ω	WHB-0.5-120	60W 0.26A / 882Ω
1.0	0,5X2	WHB-1-100	100W 0.43A / 529Ω	WHB-1-120	120W 0.52A / 441Ω
1.5	0,5X3	WHB-1.5-100	150W 0.65A / 353Ω	WHB-1.5-120	180W 0.78A / 294Ω
2.0	0.5X4	WHB-2-100	200W 0.86A / 265Ω	WHB-2-120	240W 1.04A / 220Ω
2.5	0.5X5	WHB-2.5-100	250W 1.08A / 212Ω	WHB-2.5-120	300W 1.30A / 177Ω
3.0	0.5X6	WHB-3-100	300W 1.30A / 177Ω	WHB-3-120	360W 1.56A / 147Ω
3.5	0.5X7	WHB-3.5-100	350W 1.52A / 151Ω	WHB-3.5-120	420W 1.83A / 126Ω
4.0	0.5X8	WHB-4-100	400W 1.73A / 133Ω	WHB-4-120	480W 2.08A / 110Ω
4.5	0.5X9	WHB-4.5-100	450W 1.95A / 118Ω	WHB-4.5-120	540W 2.34A / 98.0Ω
5.0	0.5X10	WHB-5-100	500W 2.17A / 106Ω	WHB-5-120	600W 2.60A / 88.7Ω
6.0	0.5X12	WHB-6-100	600W 2.60A / 88.7Ω	WHB-6-120	720W 3.13A / 73.5Ω
7.0	0.5X14	WHB-7-100	700W 3.04A / 75.6Ω	WHB-7-120	840W 3.65A / 63.0Ω
8.0	0.5X16	WHB-8-100	800W 3.47A / 66.2Ω	WHB-8-120	960W 4.17A / 55.1Ω
9.0	0.5X18	WHB-9-100	900W 3.91A / 58.8Ω	WHB-9-120	1080W 4.69A / 53.8Ω
10.0	0.5X20	WHB-10-100	1000W 4.34A / 52.9Ω	WHB-10-120	1200W 5.2A / 44.1Ω
12.0	0.5X24	WHB-12-100	1200W 5.21A / 44.1Ω	WHB-12-120	1440W 6.26A / 36.7Ω
14.0	0.5X28	WHB-14-100	1400W 6.08A / 37.8Ω	WHB-14-120	1680W 7.3A / 31.4Ω

# DIMENSIONS AND CHARACTERISTICS

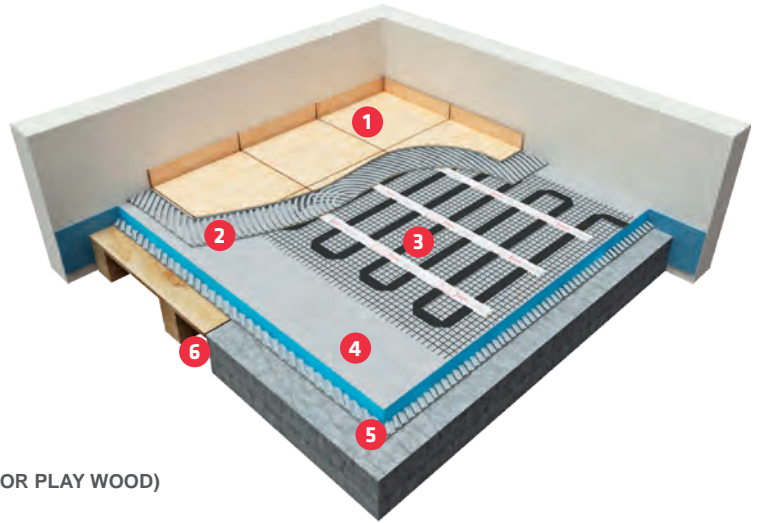
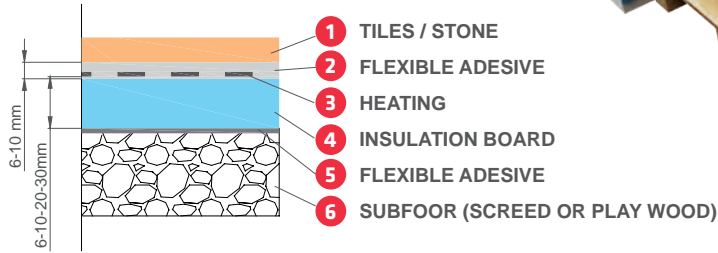
## BLACK FIBERGLASS

COVERED AREA (m <sup>2</sup> )	DIMENSION (LINEAR METER)	150W/m <sup>2</sup>		200W/m <sup>2</sup>	
		MODEL	POWER (W) AMP(A) / OHM(Ω)	MODEL	POWER (W) AMP(A) / OHM(Ω)
0.5	0,5X1	WHB-0.5-150	75W 0.32A / 705Ω	WHB-0.5-200	100W 0.43A / 529Ω
1.0	0,5X2	WHB-1-150	150W 0.65A / 353Ω	WHB-1-200	200W 0.86A / 265Ω
1.5	0,5X3	WHB-1.5-150	225W 0.98A / 235Ω	WHB-1.5-200	300W 1.30A / 177Ω
2.0	0.5X4	WHB-2-150	300W 1.30A / 177Ω	WHB-2-200	400W 1.73A / 133Ω
2.5	0.5X5	WHB-2.5-150	375W 1.63A / 141Ω	WHB-2.5-200	500W 2.17A / 106Ω
3.0	0.5X6	WHB-3-150	450W 1.95A / 118Ω	WHB-3-200	600W 2.60A / 88.7Ω
3.5	0.5X7	WHB-3.5-150	525W 2.28A / 101Ω	WHB-3.5-200	700W 3.04A / 75.6Ω
4.0	0.5X8	WHB-4-150	600W 2.60A / 88.7Ω	WHB-4-200	800W 3.47A / 66.2Ω
4.5	0.5X9	WHB-4.5-150	675W 2.93A / 78.4Ω	WHB-4.5-200	900W 3.91A / 58.8Ω
5.0	0.5X10	WHB-5-150	750W 3.26A / 70.5Ω	WHB-5-200	1000W 4.34A / 52.9Ω
6.0	0.5X12	WHB-6-150	900W 3.91A / 58.8Ω	WHB-6-200	1200W 5.21A / 44.1Ω
7.0	0.5X14	WHB-7-150	1050W 4.56A / 50.4Ω	WHB-7-200	1400W 6.08A / 37.8Ω
8.0	0.5X16	WHB-8-150	1200W 5.21A / 44.1Ω	WHB-8-200	1600W 6.95A / 33.1Ω
9.0	0.5X18	WHB-9-150	1350W 5.87A / 39.2Ω	WHB-9-200	1800W 7.82A / 29.4Ω
10.0	0.5X20	WHB-10-150	1500W 6.52A / 35.3Ω	WHB-10-200	2000W 8.69A / 26.5Ω
12.0	0.5X24	WHB-12-150	1800W 7.82A / 29.4Ω	WHB-12-200	2400W 10.4A / 22.1Ω
14.0	0.5X28	WHB-14-150	2100W 9.13A / 25.2Ω	WHB-14-200	2800W 12.2A / 18.9Ω

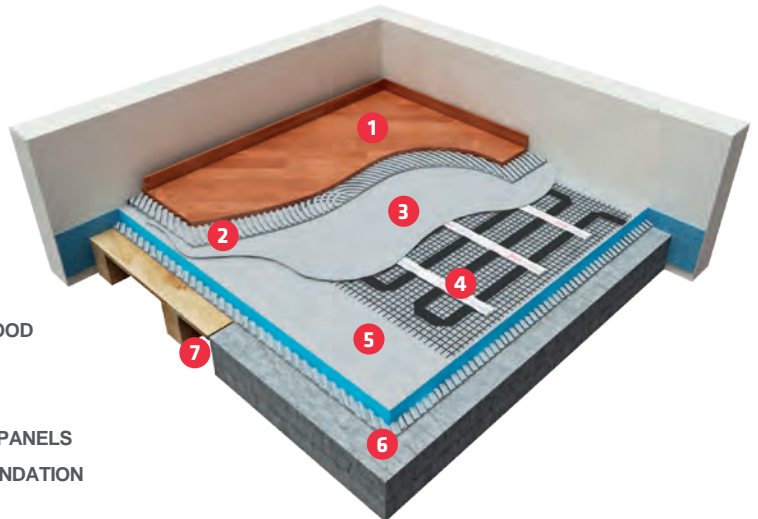
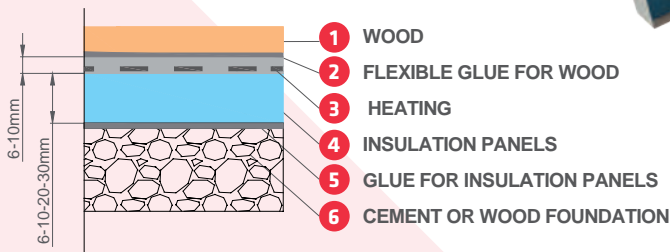
# TYPE OF INSTALLATION INDOOR

## BLACK FIBERGLASS

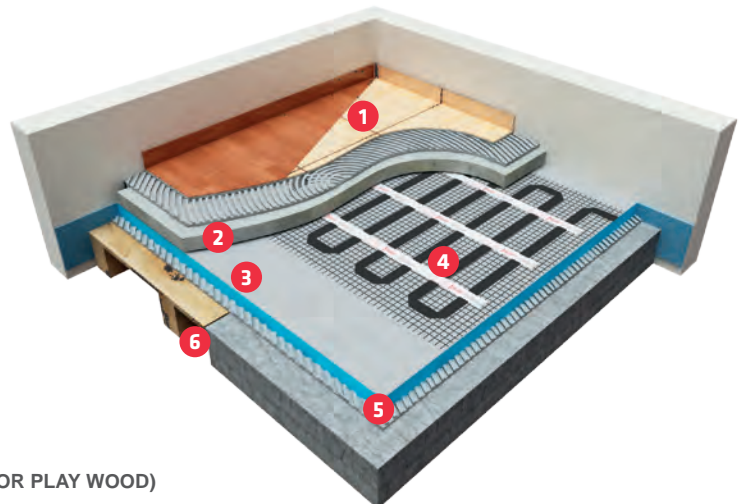
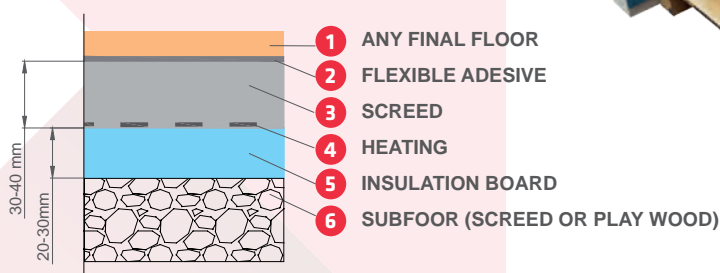
### CERAMIC AND STONE FLOORS



### GLUED WOOD FLOORS



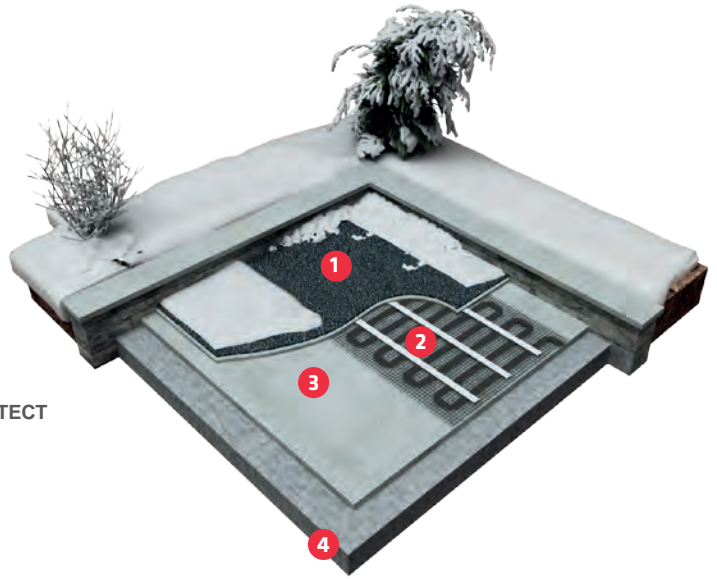
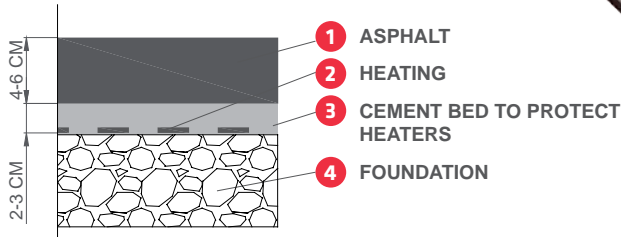
### INSCREED FOR ALL COVERIGNS



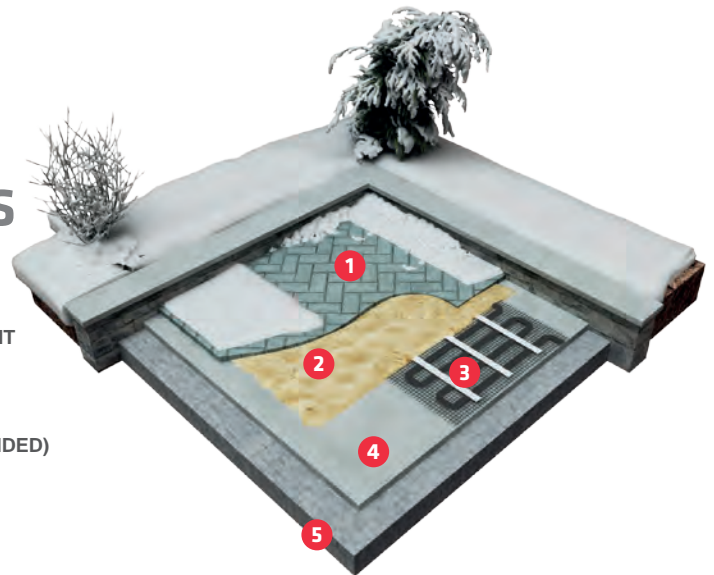
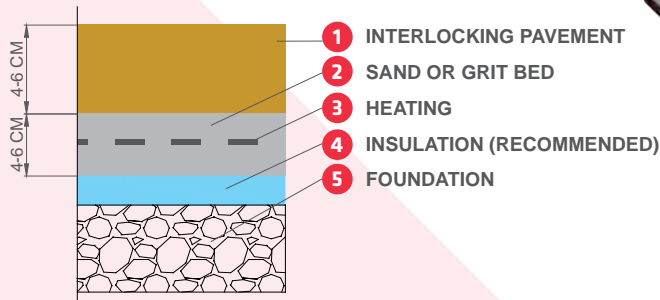
# TYPE OF INSTALLATION OUTDOOR

## BLACK FIBERGLASS

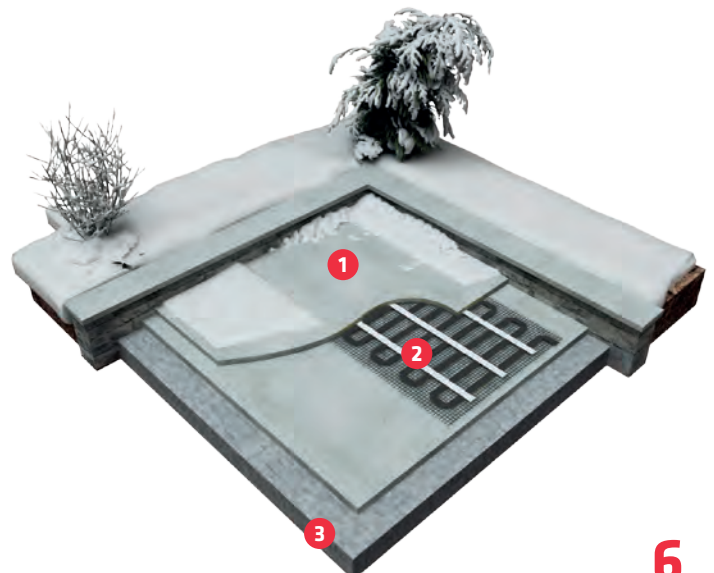
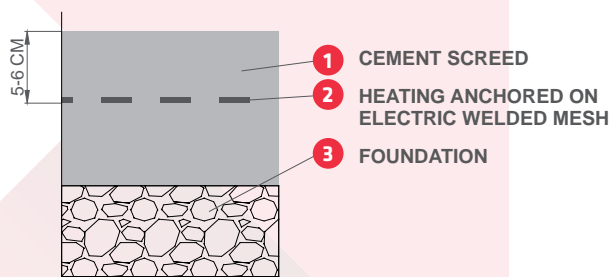
### UNDERNEATH ASPHALT



### UNDERNEATH INTERLOCKING ELEMENTS

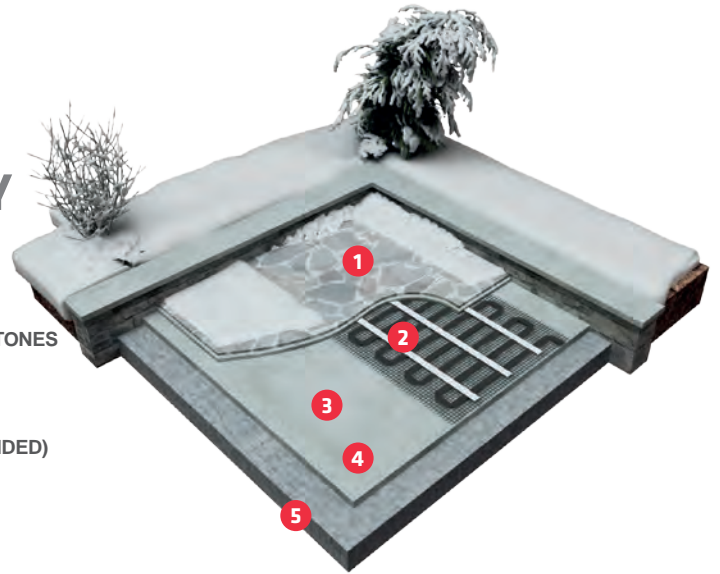
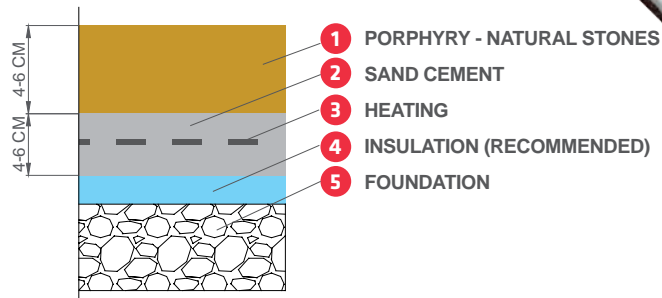


### UNDERNEATH CEMENT



# TYPE OF INSTALLATION OUTDOOR *BLACK FIBERGLASS*

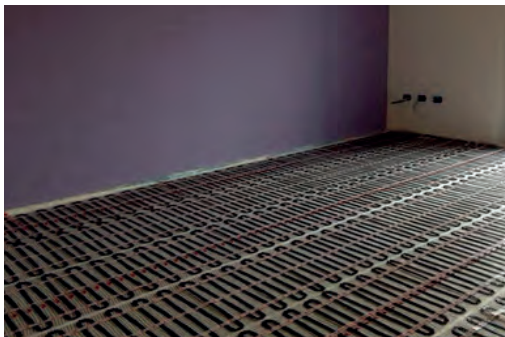
## UNDERNEATH PORPHYRY OR NATURAL STONES



## PROJECTS



*Golf Course in the Czech Republic*



*Housing Complexes in Lodi*

