

# *TECHNICAL DATA SHEET*

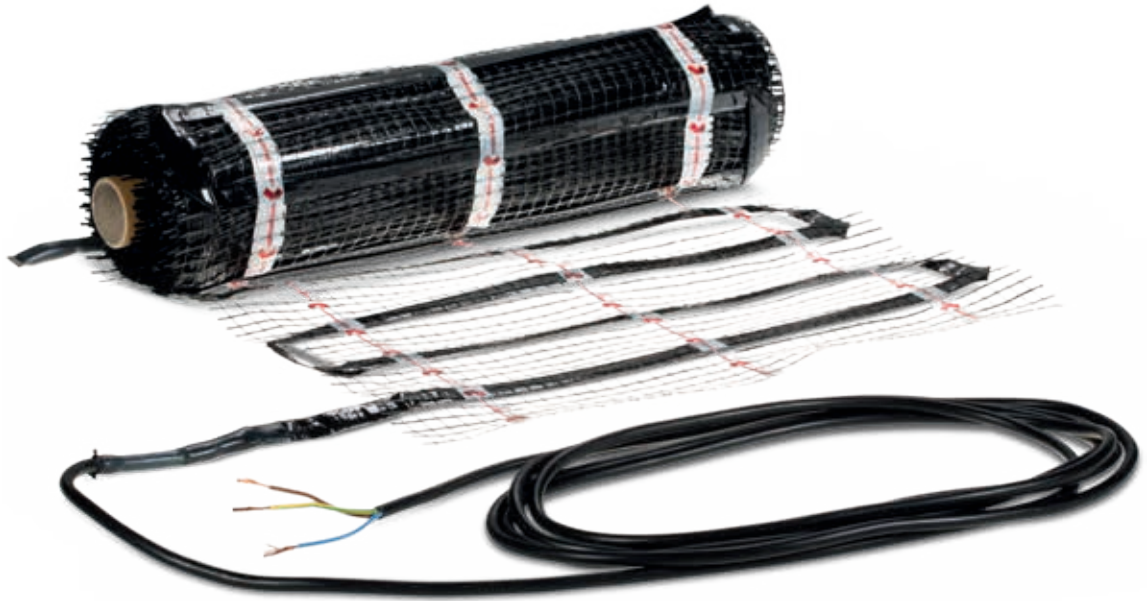
# **BLACK FIBERGLASS**



## **Index**

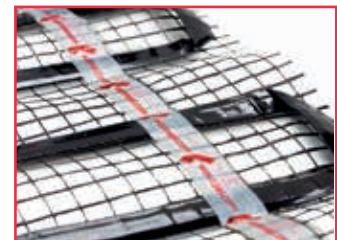
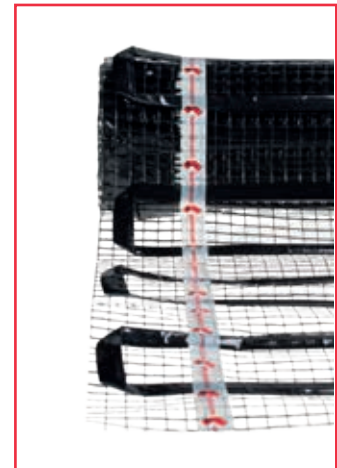
Product breakdown .....	2
Guarantees and certifications .....	2
Dimensions and characteristics .....	3
Type of installation indoor .....	6
Type of installation outdoor .....	7
Projects .....	8

## BLACK FIBERGLASS



Warmset's **Black** technology has an outer covering in the form of a **polypropylene sheath**. This property allows the underfloor 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** that the Warmset multilayer laminated earth plate is set on is gathered in hanks for convenient laying; the mesh also serves to join screeds and glues, **preventing breaks and cracks**. The hank is designed to be installed in **both indoor and outdoor floors** 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 1.66A / 1170Ω
4.5	0.5X9	WHB-4,5-65	292.5W 1,278A / 180.9Ω	WHB-4.5-85	383W 0,18A / 1170Ω
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	42.5W 0.18A / 1170Ω
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

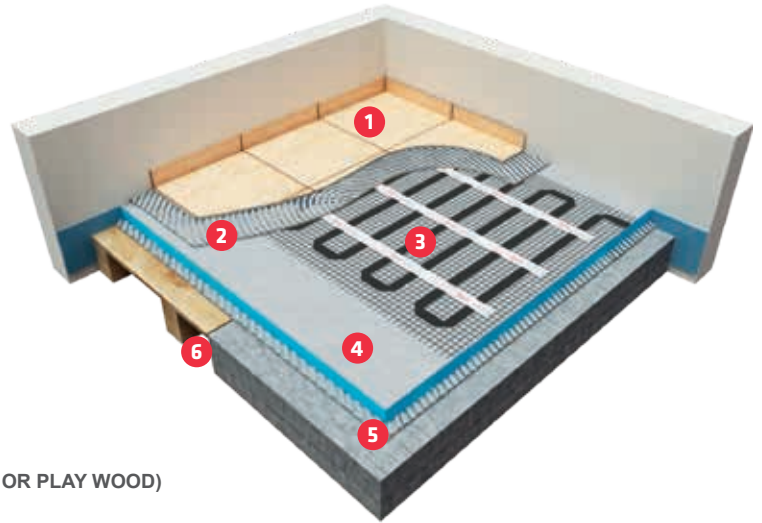
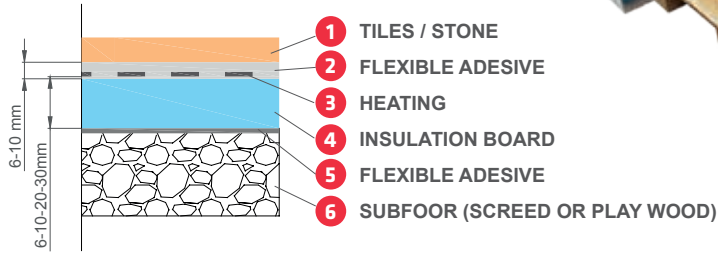
COVERED AREA (m <sup>2</sup> )	DIMENSION (LINEAR METER)	150W/m <sup>2</sup>		200W/m <sup>2</sup>	
		MODEL	POWER (W) AMP(A) / OHM(Ω)	MODEL	POWER (W) AMP(A) / OHM(Ω)
0.5	0,5X1	WHB-0.5-150	75W 0.32A / 705Ω	WHB-0.5-200	100W 0.43A / 529Ω
1.0	0,5X2	WHB-1-150	150W 0.65A / 353Ω	WHB-1-200	200W 0.86A / 265Ω
1.5	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



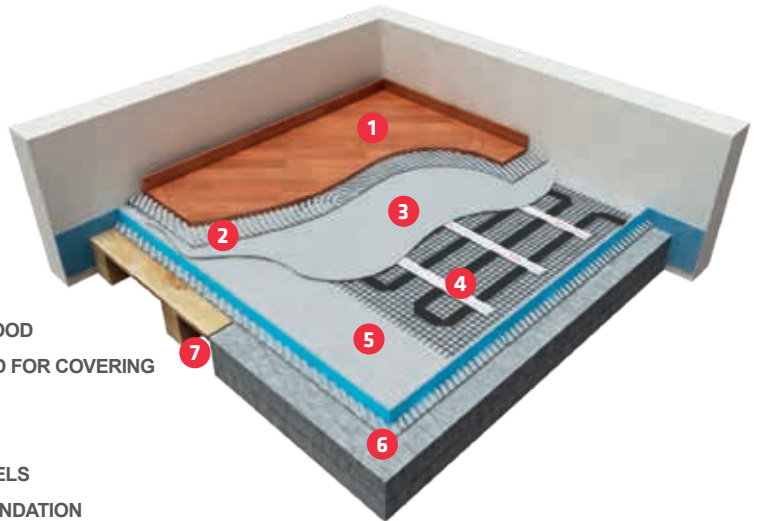
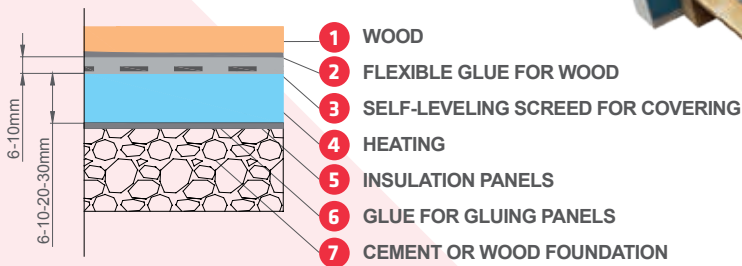
# TYPE OF INSTALLATION INDOOR

## BLACK FIBERGLASS

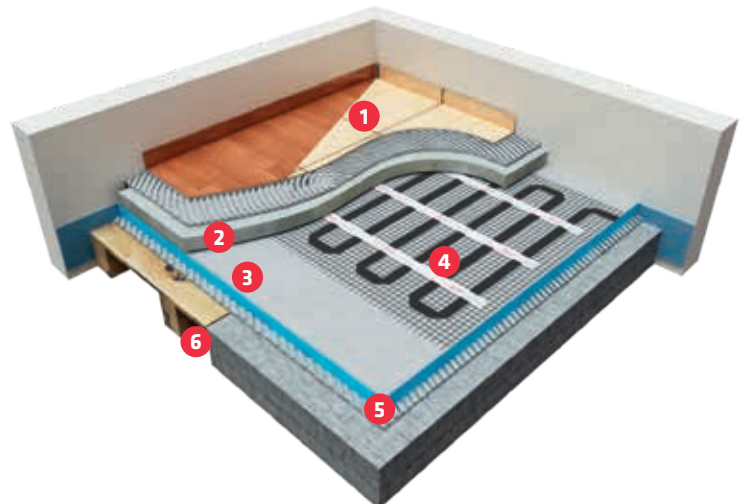
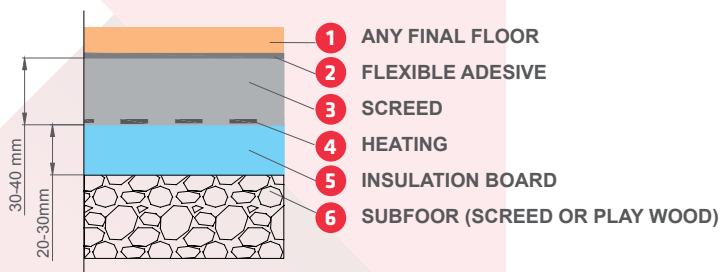
### CERAMIC AND STONE FLOORS



### GLUED WOOD FLOORS



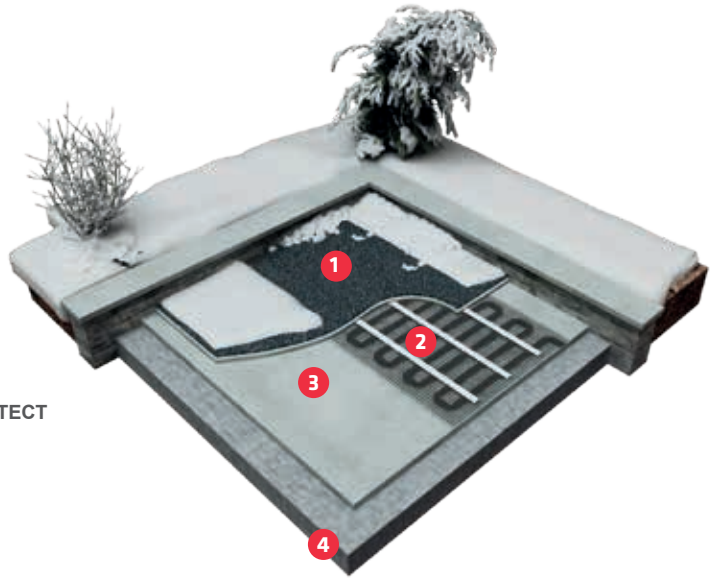
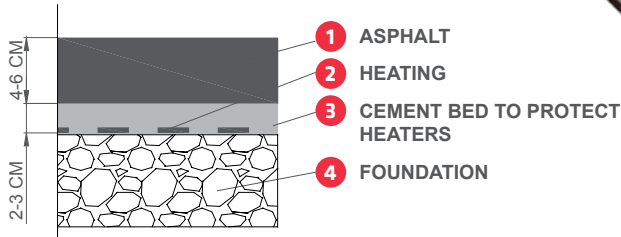
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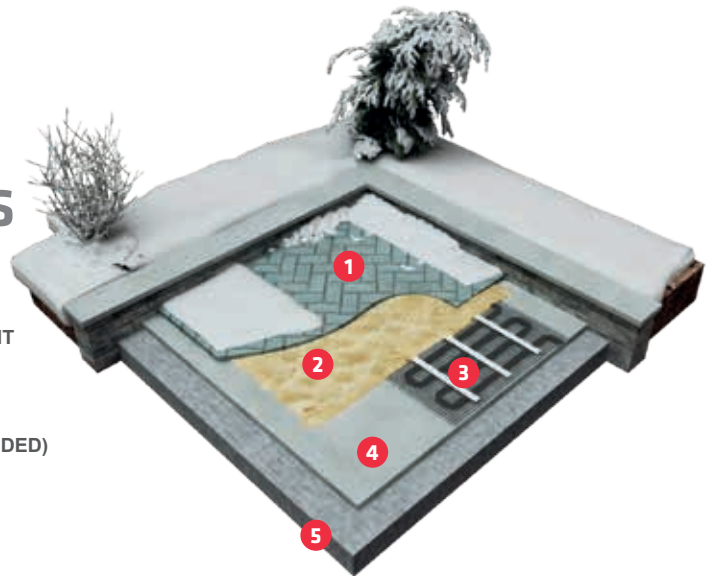
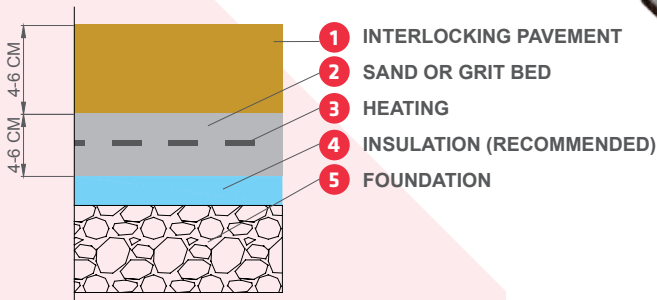
# TYPE OF INSTALLATION OUTDOOR

## BLACK FIBERGLASS

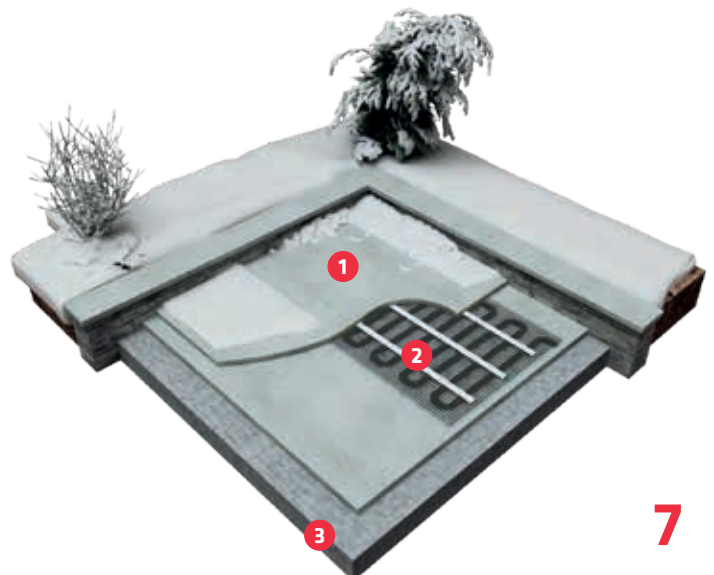
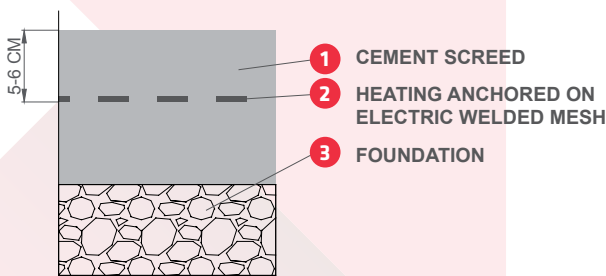
### UNDERNEATH ASPHALT



### UNDERNEATH INTERLOCKING ELEMENTS

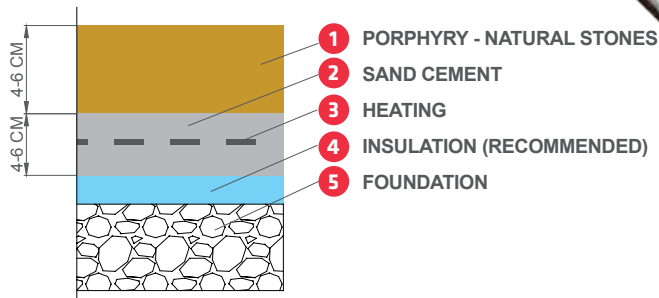


### UNDERNEATH CEMENT



# TYPE OF INSTALLATION OUTDOOR *BLACK FIBERGLASS*

## UNDERNEATH PORPHYRY OR NATURAL STONES



## PROJECTS



*Golf Course in the Czech Republic*



*Housing Complexes in Lodi*

