

TECHNICAL DATA SHEET

BLACK ALUMINUM

Warmset's Black Aluminum (WHA) is a **dry installation heating system** based on the company's patented multilayer ribbon technology, with a polypropylene sheath outer covering. The multilayer heating ribbon **is laminated between two aluminum sheets**. This specific configuration is designed for **dry-laid floor heating applications** in indoor environments.

It can be installed beneath dry-laid parquet, laminated wood, floating floors, vinyl coverings, or carpet. These materials can be placed **directly in contact with the heating**. A soft insulation layer such as Warmfoam or **Warmduplex Foam** must be installed.

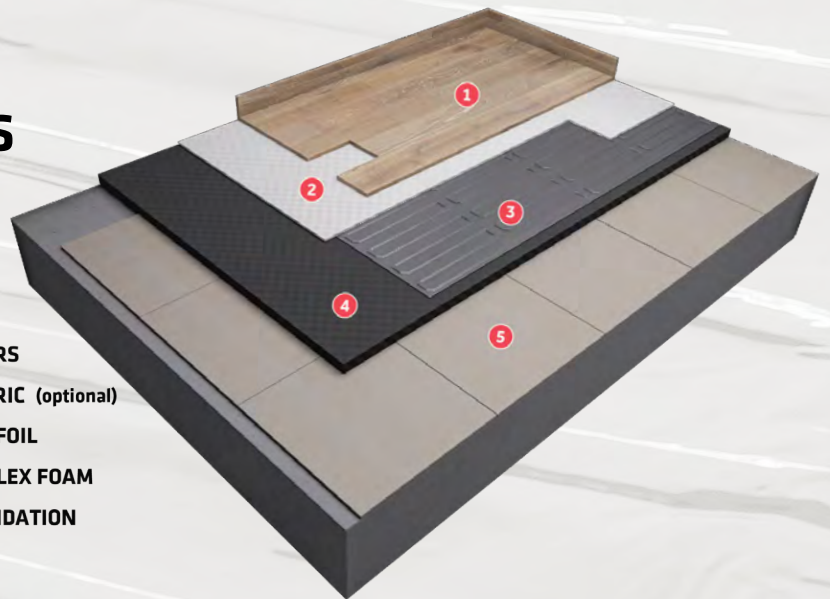
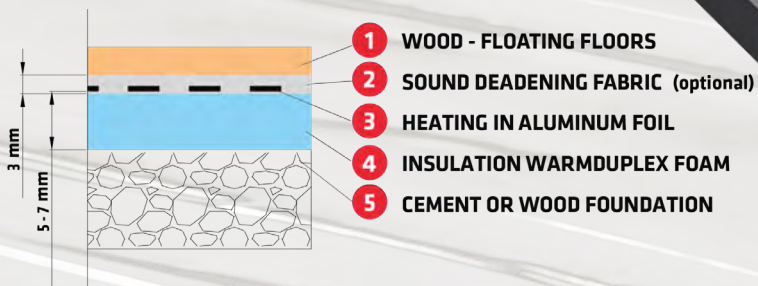
The product is available in a wide range of standard lengths, and comes with a **3-meter supply cable** (extendable upon request). The system is **fully customizable** in terms of size, power, and voltage (24V, 48V, 120V, 230V, 240V, 380V).



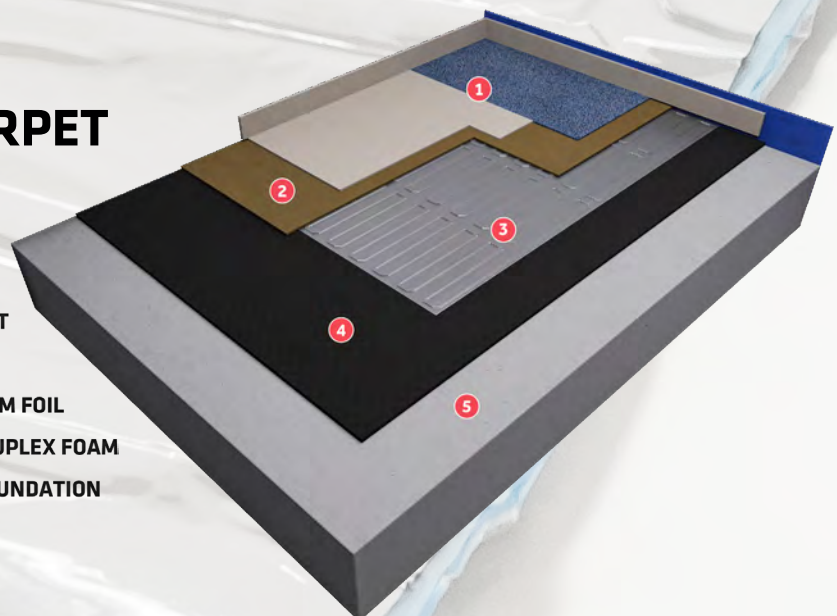
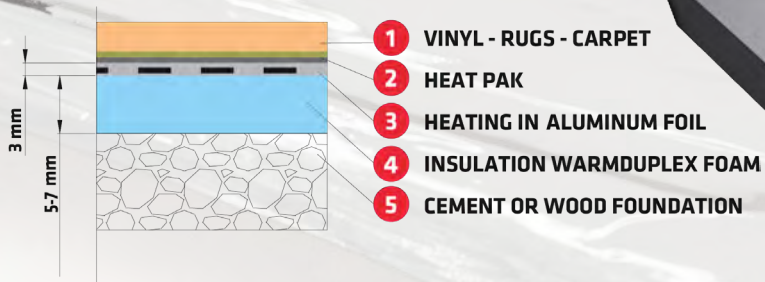
TYPE OF INSTALLATION

INDOOR

WOOD - FLOATING FLOORS



VINYL FLOORS, RUGS, CARPET



STANDARD SIZES AND POWERS

CUSTOMIZABLE SIZE & POWERS

AREA	SIZE	65 W/M ²	85 W/M ²	100 W/M ²	120 W/M ²	140 W/M ²
		POWER(W) CODE	POWER(W) CODE	POWER(W) CODE	POWER(W) CODE	POWER(W) CODE
0.5	0.5x1	32.5 W WHA - 0.5 - 65	42.5 W WHA - 0.5 - 85	50 W WHA - 0.5 - 100	60 W WHA - 0.5 - 120	70 W WHA - 0.5 - 140
1.0	0.5x2	65 W WHA - 1 - 65	85 W WHA - 1 - 85	100 W WHA - 1 - 100	120 W WHA - 1 - 120	140 W WHA - 1 - 140
1.5	0.5x3	97.5 W WHA - 1.5 - 65	127.5 W WHA - 1.5 - 85	150 W WHA - 1.5 - 100	180 W WHA - 1.5 - 120	210 W WHA - 1.5 - 140
2.0	0.5x4	130 W WHA - 2 - 65	170 W WHA - 2 - 85	200 W WHA - 2 - 100	240 W WHA - 2 - 120	280 W WHA - 2 - 140
2.5	0.5x5	162.5 W WHA - 2.5 - 65	213 W WHA - 2.5 - 85	250 W WHA - 2.5 - 100	300 W WHA - 2.5 - 120	350 W WHA - 2.5 - 140
3.0	0.5x6	195 W WHA - 3 - 65	255 W WHA - 3 - 85	300 W WHA - 3 - 100	360 W WHA - 3 - 120	420 W WHA - 3 - 140
3.5	0.5x7	227.5 W WHA - 3.5 - 65	298 W WHA - 3.5 - 85	350 W WHA - 3.5 - 100	420 W WHA - 3.5 - 120	490 W WHA - 3.5 - 140
4.0	0.5x8	260 W WHA - 4 - 65	340 W WHA - 4 - 85	400 W WHA - 4 - 100	480 W WHA - 4 - 120	560 W WHA - 4 - 140
4.5	0.5x9	292.5 W WHA - 4.5 - 65	383 W WHA - 4.5 - 85	450 W WHA - 4.5 - 100	540 W WHA - 4.5 - 120	630 W WHA - 4.5 - 140
5.0	0.5x10	325 W WHA - 5 - 65	425 W WHA - 5 - 85	500 W WHA - 5 - 100	600 W WHA - 5 - 120	700 W WHA - 5 - 140
6.0	0.5x12	390 W WHA - 6 - 65	510 W WHA - 6 - 85	600 W WHA - 6 - 100	720 W WHA - 6 - 120	840 W WHA - 6 - 140
7.0	0.5x14	455 W WHA - 7 - 65	595 W WHA - 7 - 85	700 W WHA - 7 - 100	840 W WHA - 7 - 120	980 W WHA - 7 - 140
8.0	0.5x16	520 W WHA - 8 - 65	680 W WHA - 8 - 85	800 W WHA - 8 - 100	960 W WHA - 8 - 120	1120 W WHA - 8 - 140
9.0	0.5x18	585 W WHA - 9 - 65	765 W WHA - 9 - 85	900 W WHA - 9 - 100	1080 W WHA - 9 - 120	1260 W WHA - 9 - 140
10.0	0.5x20	650 W WHA - 10 - 65	850 W WHA - 10 - 85	1000 W WHA - 10 - 100	1200 W WHA - 10 - 120	1400 W WHA - 10 - 140
12.0	0.5x24	780 W WHA - 12 - 65	1020 W WHA - 12 - 85	1200 W WHA - 12 - 100	1440 W WHA - 12 - 120	1680 W WHA - 12 - 140
14.0	0.5x28	910 W WHA - 14 - 65	1190 W WHA - 14 - 85	1400 W WHA - 14 - 100	1680 W WHA - 14 - 120	1960 W WHA - 14 - 140

PROJECT REFERENCES

