

## TECHNICAL DATA SHEET

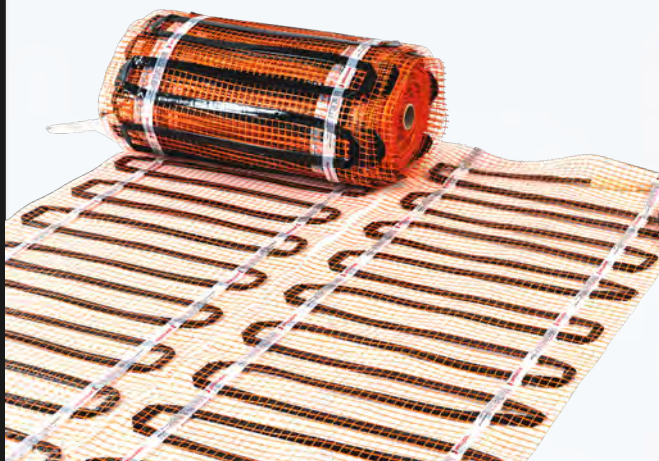
# BLACK FIBERGLASS

Warmset's **Black Technology (WHB)** is the company's flagship product, distinguished by its polypropylene sheath outer covering. This feature allows the underfloor heating system to **cover large surfaces**, making it ideal for **indoor applications**.

The multilayer heating ribbon is **fixed onto a fiberglass mesh**, supplied in rolls designed for embedding in **screed or for direct glued** installation beneath flooring.

The product can also be installed in **humid environments** such as bathrooms and spas.

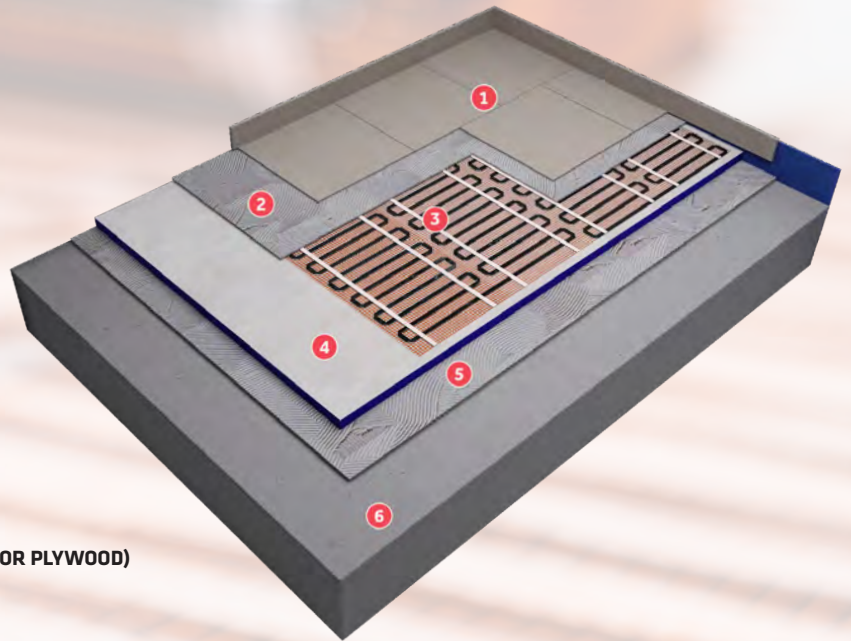
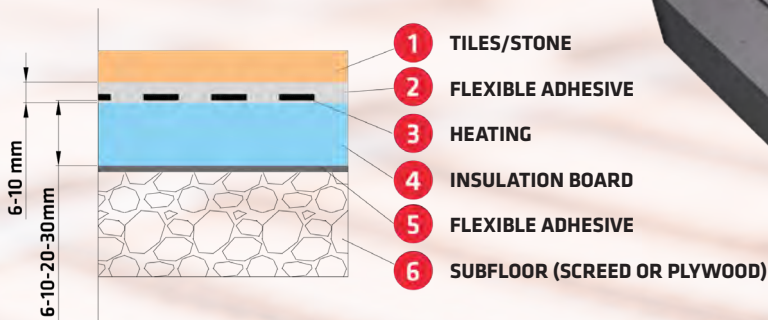
The product is available in a wide range of standard lengths, and comes with a **3 - meter supply cable** (extendable upon request). It is **fully customizable** in terms of size, power, and voltage (24V, 48V, 120V, 230V, 240V, 380V).



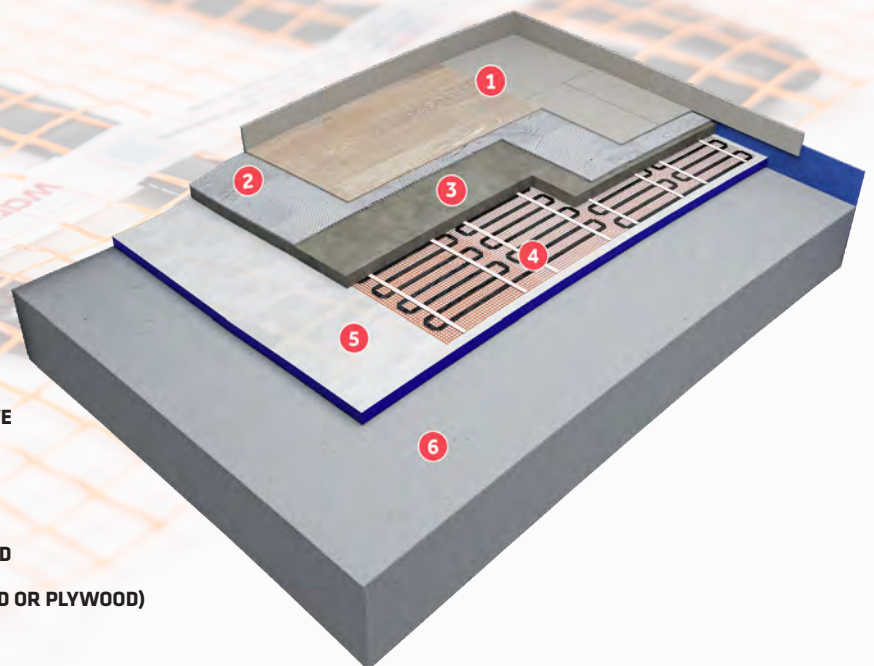
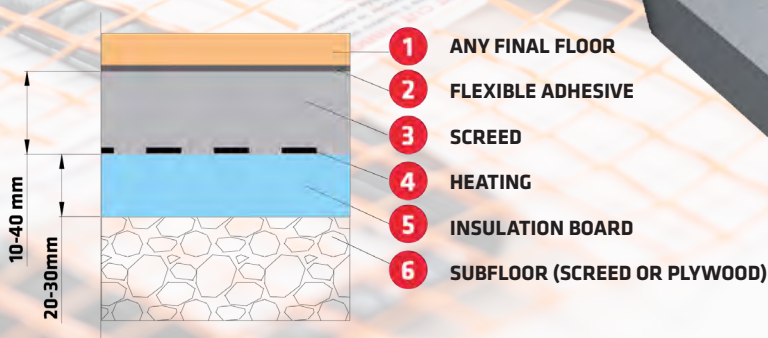
# TYPE OF INSTALLATION

## INDOOR

### GLUED FLOOR FROM ONLY 12MM THICKNESS



### IN SCREED FOR ALL COVERINGS



# STANDARD SIZES AND POWERS

## CUSTOMIZABLE SIZE & POWERS

| AREA | SIZE   | 65 W/M <sup>2</sup>       | 85 W/M <sup>2</sup>       | 100 W/M <sup>2</sup>     | 120 W/M <sup>2</sup>     | 150 W/M <sup>2</sup>     | 200 W/M <sup>2</sup>     |
|------|--------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|      |        | POWER(W)<br>CODE          | POWER(W)<br>CODE          | POWER(W)<br>CODE         | POWER(W)<br>CODE         | POWER(W)<br>CODE         | POWER(W)<br>CODE         |
| 0.5  | 0.5x1  | 32.5 W<br>WHB - 0.5 - 65  | 42.5 W<br>WHB - 0.5 - 85  | 50 W<br>WHB - 0.5 - 100  | 60 W<br>WHB - 0.5 - 120  | 75 W<br>WHB - 0.5 - 150  | 100 W<br>WHB - 0.5 - 200 |
| 1.0  | 0.5x2  | 65 W<br>WHB - 1 - 65      | 85 W<br>WHB - 1 - 85      | 100 W<br>WHB - 1 - 100   | 120 W<br>WHB - 1 - 120   | 150 W<br>WHB - 1 - 150   | 200 W<br>WHB - 1 - 200   |
| 1.5  | 0.5x3  | 97.5 W<br>WHB - 1.5 - 65  | 127.5 W<br>WHB - 1.5 - 85 | 150 W<br>WHB - 1.5 - 100 | 180 W<br>WHB - 1.5 - 120 | 225 W<br>WHB - 1.5 - 150 | 300 W<br>WHB - 1.5 - 200 |
| 2.0  | 0.5x4  | 130 W<br>WHB - 2 - 65     | 170 W<br>WHB - 2 - 85     | 200 W<br>WHB - 2 - 100   | 240 W<br>WHB - 2 - 120   | 300 W<br>WHB - 2 - 150   | 400 W<br>WHB - 2 - 200   |
| 2.5  | 0.5x5  | 162.5 W<br>WHB - 2.5 - 65 | 213 W<br>WHB - 2.5 - 85   | 250 W<br>WHB - 2.5 - 100 | 300 W<br>WHB - 2.5 - 120 | 375 W<br>WHB - 2.5 - 150 | 500 W<br>WHB - 2.5 - 200 |
| 3.0  | 0.5x6  | 195 W<br>WHB - 3 - 65     | 255 W<br>WHB - 3 - 85     | 300 W<br>WHB - 3 - 100   | 360 W<br>WHB - 3 - 120   | 450 W<br>WHB - 3 - 150   | 600 W<br>WHB - 3 - 200   |
| 3.5  | 0.5x7  | 227.5 W<br>WHB - 3.5 - 65 | 298 W<br>WHB - 3.5 - 85   | 350 W<br>WHB - 3.5 - 100 | 420 W<br>WHB - 3.5 - 120 | 525 W<br>WHB - 3.5 - 150 | 700 W<br>WHB - 3.5 - 200 |
| 4.0  | 0.5x8  | 260 W<br>WHB - 4 - 65     | 340 W<br>WHB - 4 - 85     | 400 W<br>WHB - 4 - 100   | 480 W<br>WHB - 4 - 120   | 600 W<br>WHB - 4 - 150   | 800 W<br>WHB - 4 - 200   |
| 4.5  | 0.5x9  | 292.5 W<br>WHB - 4.5 - 65 | 383 W<br>WHB - 4.5 - 85   | 450 W<br>WHB - 4.5 - 100 | 540 W<br>WHB - 4.5 - 120 | 675 W<br>WHB - 4.5 - 150 | 900 W<br>WHB - 4.5 - 200 |
| 5.0  | 0.5x10 | 325 W<br>WHB - 5 - 65     | 425 W<br>WHB - 5 - 85     | 500 W<br>WHB - 5 - 100   | 600 W<br>WHB - 5 - 120   | 750 W<br>WHB - 5 - 150   | 1000 W<br>WHB - 5 - 200  |
| 6.0  | 0.5x12 | 390 W<br>WHB - 6 - 65     | 510 W<br>WHB - 6 - 85     | 600 W<br>WHB - 6 - 100   | 720 W<br>WHB - 6 - 120   | 900 W<br>WHB - 6 - 150   | 1200 W<br>WHB - 6 - 200  |
| 7.0  | 0.5x14 | 455 W<br>WHB - 7 - 65     | 595 W<br>WHB - 7 - 85     | 700 W<br>WHB - 7 - 100   | 840 W<br>WHB - 7 - 120   | 1050 W<br>WHB - 7 - 150  | 1400 W<br>WHB - 7 - 200  |
| 8.0  | 0.5x16 | 520 W<br>WHB - 8 - 65     | 680 W<br>WHB - 8 - 85     | 800 W<br>WHB - 8 - 100   | 960 W<br>WHB - 8 - 120   | 1200 W<br>WHB - 8 - 150  | 1600 W<br>WHB - 8 - 200  |
| 9.0  | 0.5x18 | 585 W<br>WHB - 9 - 65     | 765 W<br>WHB - 9 - 85     | 900 W<br>WHB - 9 - 100   | 1080 W<br>WHB - 9 - 120  | 1350 W<br>WHB - 9 - 150  | 1800 W<br>WHB - 9 - 200  |
| 10.0 | 0.5x20 | 650 W<br>WHB - 10 - 65    | 850 W<br>WHB - 10 - 85    | 1000 W<br>WHB - 10 - 100 | 1200 W<br>WHB - 10 - 120 | 1500 W<br>WHB - 10 - 150 | 2000 W<br>WHB - 10 - 200 |
| 12.0 | 0.5x24 | 780 W<br>WHB - 12 - 65    | 1020 W<br>WHB - 12 - 85   | 1200 W<br>WHB - 12 - 100 | 1440 W<br>WHB - 12 - 120 | 1800 W<br>WHB - 12 - 150 | 2400 W<br>WHB - 12 - 200 |
| 14.0 | 0.5x28 | 910 W<br>WHB - 14 - 65    | 1190 W<br>WHB - 14 - 85   | 1400 W<br>WHB - 14 - 100 | 1680 W<br>WHB - 14 - 120 | 2100 W<br>WHB - 14 - 150 | 2800 W<br>WHB - 14 - 200 |

# PROJECT REFERENCES

