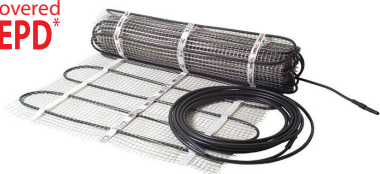


# DEVlasphalt™ 300T - 230 V & 400 V

Product  
is covered  
by **EPD\***



DEVlasphalt™ is an extremely high-quality, 360° fully screened twin conductor heating

mat with a very robust outer sheath (UV stable), designed especially for embedding in mastic or asphalt concrete (road asphalt). Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

The cold lead has solid conductors ensuring fast installation with a clearly visible connection.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our extended DEVIwarranty™.

\*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Asphalt applications
- Very robust
- Long life-time
- Maximum protection
- UV stable
- PVC free

## Standard compliance:

- IEC60800:2009

## Compliance symbols:



Product



Installation



Floor/Surface

| Type                                                        | Value                                                  |
|-------------------------------------------------------------|--------------------------------------------------------|
| Nominal voltage                                             | 230 and 400 V~                                         |
| Construction                                                | Twin conductor with 360° screening, one cold lead      |
| Output                                                      | 300 W/m <sup>2</sup>                                   |
| Max. permissible use temperature, powered                   | 60°C                                                   |
| Max. permissible use temperature, unpowered                 | 90°C                                                   |
| Max. short term installation temperature (up to 15 minutes) | 240°C                                                  |
| Cable thickness                                             | 7 mm                                                   |
| Deformation strength                                        | >1500 N                                                |
| Pulling strength                                            | > 300 N                                                |
| Conductor insulation                                        | FEP                                                    |
| Outer sheath                                                | XLPO                                                   |
| Screen                                                      | 1 mm <sup>2</sup> tinned Cu + aluminium foil           |
| Cold lead                                                   | 10 m or 30 m, DTWK 2 x 2,5 mm <sup>2</sup> with screen |
| Min. installation temperature                               | -5°C                                                   |
| Bending Ø, min.                                             | 5 cm                                                   |
| IP Class                                                    | IPX7                                                   |

Types: DEVlasphalt™ 300T - 230 V with cold lead 10 m



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| Item no. | Heated area         | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead               | EAN no.       |
|----------|---------------------|--------------------|----------------|--------------|-------------------------|---------------|
| 140F0660 | 1.0 m <sup>2</sup>  | 0.5 x 2.0 m        | 290 W          | 181,3 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466233184 |
| 140F0661 | 2.0 m <sup>2</sup>  | 0.5 x 4.0 m        | 620 W          | 85,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466233191 |
| 140F0662 | 4.1 m <sup>2</sup>  | 0.5 x 8.2 m        | 1210 W         | 43,8 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466233207 |
| 140F0663 | 4.9 m <sup>2</sup>  | 0.5 x 9.8 m        | 1460 W         | 36,2 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466233214 |
| 140F0664 | 6.2 m <sup>2</sup>  | 0.5 x 12.4 m       | 1885 W         | 28,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466233221 |
| 140F0665 | 6.9 m <sup>2</sup>  | 0.5 x 13.8 m       | 2080 W         | 25,4 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466233238 |
| 140F0666 | 8.3 m <sup>2</sup>  | 0.5 x 16.6 m       | 2470 W         | 21,4 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466233245 |
| 140F0667 | 11.0 m <sup>2</sup> | 0.5 x 22.0 m       | 3285 W         | 16,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466233252 |
| 140F0668 | 12.4 m <sup>2</sup> | 0.5 x 24.8 m       | 3700 W         | 14,3 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466233269 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

**Types: DEVlasphalt™ 300T - 400 V with cold lead 10 m**

| Item no. | Heated area          | Dimensions (W x L) | Output @ 400V~ | Resistance * | Cold lead               | EAN no.       |
|----------|----------------------|--------------------|----------------|--------------|-------------------------|---------------|
| 83900162 | 1,70 m <sup>2</sup>  | 0,5 x 3,4 m        | 525 W          | 306,2 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466192689 |
| 83900163 | 3,50 m <sup>2</sup>  | 0,5 x 7,0 m        | 1080 W         | 147,9 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466192696 |
| 83900164 | 5,90 m <sup>2</sup>  | 0,5 x 11,8 m       | 1775 W         | 90,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192702 |
| 83900165 | 7,90 m <sup>2</sup>  | 0,5 x 15,8 m       | 2315 W         | 69,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192719 |
| 83900166 | 2,40 m <sup>2</sup>  | 0,75 x 3,2 m       | 700 W          | 228,4 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466192726 |
| 83900167 | 3,60 m <sup>2</sup>  | 0,75 x 4,8 m       | 1050 W         | 152,2 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466192733 |
| 83900168 | 6,00 m <sup>2</sup>  | 0,75 x 8,0 m       | 1750 W         | 91,5 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192740 |
| 83900169 | 8,25 m <sup>2</sup>  | 0,75 x 11,0 m      | 2630 W         | 60,9 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192757 |
| 83900170 | 9,75 m <sup>2</sup>  | 0,75 x 13,0 m      | 2890 W         | 55,5 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192764 |
| 83900171 | 12,00 m <sup>2</sup> | 0,75 x 16,0 m      | 3625 W         | 44,2 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192771 |
| 83900172 | 14,55 m <sup>2</sup> | 0,75 x 19,4 m      | 4270 W         | 37,5 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192788 |
| 83900173 | 19,05 m <sup>2</sup> | 0,75 x 25,4 m      | 5740 W         | 27,9 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192795 |
| 83900174 | 21,15 m <sup>2</sup> | 0,75 x 28,2 m      | 6560 W         | 24,4 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192801 |
| 83900175 | 6,00 m <sup>2</sup>  | 1,00 x 6,0 m       | 1745 W         | 91,7 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192818 |
| 83900176 | 12,00 m <sup>2</sup> | 1,00 x 12,0 m      | 3625 W         | 44,2 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192825 |
| 83900177 | 14,80 m <sup>2</sup> | 1,00 x 14,8 m      | 4200 W         | 38,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192832 |
| 83900178 | 19,00 m <sup>2</sup> | 1,00 x 19,0 m      | 5760 W         | 27,8 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192849 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

**Types: DEVlasphalt™ 300T - 400 V with cold lead 30 m**

| Item no. | Heated area          | Dimensions (W x L) | Output @ 400V~ | Resistance * | Cold lead               | EAN no.       |
|----------|----------------------|--------------------|----------------|--------------|-------------------------|---------------|
| 140F0601 | 1,70 m <sup>2</sup>  | 0,5 x 3,4 m        | 520 W          | 306,2 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466229057 |
| 140F0602 | 3,50 m <sup>2</sup>  | 0,5 x 7,0 m        | 1080 W         | 147,9 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466229064 |
| 140F0603 | 5,90 m <sup>2</sup>  | 0,5 x 11,8 m       | 1775 W         | 90,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229071 |
| 140F0604 | 7,90 m <sup>2</sup>  | 0,5 x 15,8 m       | 2315 W         | 69,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229088 |
| 140F0605 | 2,40 m <sup>2</sup>  | 0,75 x 3,2 m       | 700 W          | 228,4 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466229095 |
| 140F0606 | 3,60 m <sup>2</sup>  | 0,75 x 4,8 m       | 1050 W         | 152,1 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466229101 |
| 140F0607 | 6,00 m <sup>2</sup>  | 0,75 x 8,0 m       | 1750 W         | 91,5 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229118 |
| 140F0608 | 8,25 m <sup>2</sup>  | 0,75 x 11,0 m      | 2630 W         | 60,9 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229125 |
| 140F0609 | 9,75 m <sup>2</sup>  | 0,75 x 13,0 m      | 2890 W         | 55,5 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229132 |
| 140F0610 | 12,00 m <sup>2</sup> | 0,75 x 16,0 m      | 3625 W         | 44,2 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229149 |
| 140F0611 | 14,55 m <sup>2</sup> | 0,75 x 19,4 m      | 4270 W         | 37,5 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229156 |
| 140F0612 | 19,05 m <sup>2</sup> | 0,75 x 25,4 m      | 5740 W         | 27,9 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229163 |
| 140F0613 | 21,15 m <sup>2</sup> | 0,75 x 28,2 m      | 6560 W         | 24,4 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229170 |
| 140F0614 | 6,00 m <sup>2</sup>  | 1,00 x 6,0 m       | 1745 W         | 91,7 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229187 |
| 140F0615 | 12,00 m <sup>2</sup> | 1,00 x 12,0 m      | 3625 W         | 44,2 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229194 |
| 140F0616 | 14,80 m <sup>2</sup> | 1,00 x 14,8 m      | 4200 W         | 38,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229200 |
| 140F0617 | 19,00 m <sup>2</sup> | 1,00 x 19,0 m      | 5760 W         | 27,8 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466229217 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

**Accessories**

| Item no. | Type                                     | EAN no.       |
|----------|------------------------------------------|---------------|
| 18055355 | DEVlcrimp repair kit 2-cond. DEVlasphalt | 5703466229057 |