

ETHERMA BRS

Heating mats for installation in concrete and rolled asphalt



BRS open area heating for installation in concrete and rolled asphalt is used to keep car park access ramps, emergency access routes, entrance areas, etc. free from snow and ice. The heating mats are laid on a load-bearing under-layer (concrete or asphalt) in accordance with a laying plan.

CONCRETE: Once the heating mats are laid, the concrete is then applied - ideally suited for concrete screed, fluid concrete, monolithic concrete, site concrete and even 3 cm of protective concrete.

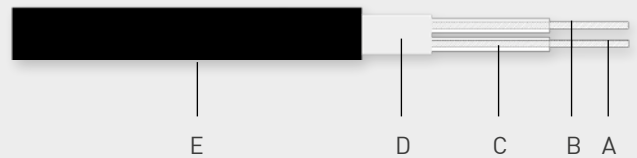
Laying in a gravel bed is possible under certain conditions. Please contact the ETHERMA technical team.

ASPHALT: Once the heating mats are laid, the first layer of rolled asphalt is applied, manually distributed and compacted. The top layer is coated in the second process step. The temperature of the rolled asphalt is 180 °C. The minimum thickness of the asphalt is 6 cm (2 x 3 cm). Grain of lower layer: 0 – 8 mm, grain size of the top-layer: 0 – 8 mm or 0 – 11 mm.

ETHERMA TIP:

- All our access lines are produced custom-made.
- Upon request we will be happy to take care of the installation and maintenance of your open-air heating.

ETHERMA TIP: Project-focused heating mat production in different sizes and outputs on request.



- A Heating cord
- B Heating cord
- C Inner insulation - Fluoropolymer (PFA)
- D Aluminium shield + protective earth conductor
- E Outer insulation radiation cross-linked polyolefin

TECHNICAL DETAILS

- > Voltage: 230, 400 V
- > Output: 240, 300 W/m²
- > Special output: 400 W/m²
- > Nominal temperature: Up to 105 °C
- > Temperature-resistant heating conductor: 180 °C/45 min
- > Min. installation temperature: - 5 °C
- > Max. bending radius: 5 d
- > Outside diameter: 7 mm
- > IP Rating: IP X7
- > Connection cable (no plug): 1 x 3 m or 10 m; 3 x 1.5 (2.5) mm²
- > Certification: EC compliant

BENEFITS OF THIS PRODUCT

- + Connection cable (no plug) custom-made
- + Increased mechanical toughness
- + Only one access line for an easy installation
- + Flexible heating line
- + Resistant to faeces, spherical acid and base
- + Second layer of rolled asphalt can be applied with the finisher

SELECTION GUIDE

BRGS-240 W/m² – For smaller private ramps, access roads, terraces and pavements below a sea level of 1000 m (= 3000 feet).

BRUS-300 W/m² – For public ramps, access roads and pavements, parking garages, landing places, etc. below a sea level of 1000 m (= 3000 feet).

BRAS-400 W/m² – For public ramps, access roads and pavements, parking garages, landing places, etc. below a sea level of 1000 m (= 3000 feet).

Heating mat 243-BRGS, 240 W/m², 400 V, IP X7, 10 m connector cable

RG: 010 | DT: 1 week

Type	Art. no.	Output (W)	Dimensions (cm)		
			Length	Width	m ²
243-BRGS-75-210	39466	379	210	75	1.58
243-BRGS-75-390	39468	693	390	75	2.90
243-BRGS-75-1755	39473	3165	1755	75	13.25
243-BRGS-75-2220	39474	4000	2220	75	16.65
243-BRGS-75-3150	39476	5657	3150	75	23.60

Type	Art. no.	Output (W)	Dimensions (cm)		
			Length	Width	m ²
243-BRGS-95-165	39600	379	165	95	1.58
243-BRGS-95-300	39602	693	300	95	2.90
243-BRGS-95-1395	39607	3165	1395	95	13.25
243-BRGS-95-1755	39608	4000	1755	95	16.65
243-BRGS-95-2475	39610	5657	2475	95	23.60

Heating mats 303-BRUS, 300 W/m², 400 V, IP X7, 10 m connector cable

RG: 010 | DT: 1 week

Type	Art. no.	Output (W)	Dimensions (cm)		
			Length	Width	m ²
303-BRUS-75-150	40698	346	150	75	1.15
303-BRUS-75-280	40699	632	280	75	2.11
303-BRUS-75-1280	40704	2889	1280	75	9.63
303-BRUS-75-1620	40705	3651	1620	75	12.17
303-BRUS-75-2300	40706	5164	2300	75	17.21

Type	Art. no.	Output (W)	Dimensions (cm)		
			Length	Width	m ²
303-BRUS-95-120	40707	346	120	95	1.15
303-BRUS-95-220	40708	632	220	95	2.11
303-BRUS-95-1010	40713	2889	1010	95	9.63
303-BRUS-95-1280	40714	3651	1280	95	12.17
303-BRUS-95-1810	40715	5164	1810	95	17.21