

P 40004



e:energycarbon
Efficient low carbon heating systems



System E-ENERGY CARBON DRYTEC

Product data



36V

E-ENERGY CARBON DRYTEC
Heating foil



Special foil coated



Factory contacting



Ideal on drywall profiles

The E-ENERGY CARBON DRYTEC consists of a central 410 mm wide heating area (electrically active surface) and two 95 mm wide mounting strips running along the sides. It is designed for wall and ceiling installation behind a 12.5 mm thick drywall panel (e.g. plasterboard). The mounting strips are used for fastening to the substructure and can be easily penetrated with screws or staples when installing the subsequently attached drywall panels (max. thickness 12.5 mm). The PET film-coated top side is optimally suited for sticking to drywall profiles.

Safe connection thanks to the E-ENERGY CARBON power supply units with 36 V safety extra-low voltage (SELV).

Material	Basic material	PET film with carbon fibres and fillers
	Top layers	Top side: PET film - suitable for gluing to the drywall profile. Underside: PET fleece
Data	Mains voltage (power supply units)	230 V AC
	Stromeinspeisung (Netzteile)	1.74 A per 400 W load
	Performance E-ENERGY CARBON DRYTEC per linear metre (per m ²)	45 W/lfm (112 W/m ²)
	Secondary voltage (heating foil)	36 V safety extra-low voltage (SELV)
	Fuse (Secondary)	12 A AP / 15 A UP
	Protective measure	Residual current circuit breaker 30 mA
	Nominal limit temperature	+ 60 °C
	Minimum processing temperature	+ 5 °C
	Minimum bending radius	R10 mm
	Primary line Power supply unit (230 V)	1,5 mm ²
Secondary line Power supply unit (36 V)	Depending on the version, the power supply units can be surface-mounted or flush-mounted. For this purpose, a minimum distance of 50 mm from the foil must be maintained. The maximum cable length on the secondary side of the power supply unit is: 2.5 mm ² , max. 10 m length 6.0 mm ² , max. 25 m length	
Heating foil dimension, width	60 cm, 38 cm (net heat width)	
Maximum length E-ENERGY CARBON DRYTEC	Only a maximum of 400 W may be connected to the individual load outputs of the power supply units of the BASIC TT and HT series. A maximum of 300 W may be connected to the BASIC EI power supply unit. The maximum lengths of the individual heating tracks are: 45W/running metre (112 W/m ²): max. 8.8 m with 400W and max. 6.6 m with 300W	



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45 W/lfm (112 W/m²)



Item no.	Article
2 12 601	Heating foil 36 V – 45 W/lfm (112 W/m ²), 1.1m
2 12 603	Heating foil 36 V – 45 W/lfm (112 W/m ²), 2.2m
2 12 605	Heating foil 36 V – 45 W/lfm (112 W/m ²), 3.3m
2 12 607	Heating foil 36 V – 45 W/lfm (112 W/m ²), 4.4m

Possible applications	E-ENERGY CARBON DRYTEC 45 W/lfm (112 W/m ²)
Ceiling	Top layer of max. 12.5 mm gypsum or cement-bonded drywall board
Wall	Top layer of max. 12.5 mm gypsum or cement-bonded drywall board
Floor	–