



Ceiling heating

System E-ENERGY CARBON SMARTFLEX

Workplace heating in a grid ceiling of a commercial property

The retrofitting of workplace heating in a suspended grid ceiling was the task in the office building. The existing grid tiles directly above the seats were replaced with thermally activated metal tiles. They were activated using the self-adhesive SMARTFLEX heating foil from the E-ENERGY CARBON system. The focus was on selective comfort at the workplace and increasing efficiency by utilising PV electricity.



Type	Office building
Surface	450 m ²
Surface heating	E-ENERGY CARBON SMARTFLEX
Area	Ground floor

Construction

- 1 Metal grid ceiling element
- 2 Acoustic fleece
- 3 E-ENERGY CARBON SMARTFLEX
- 4 Additional insulation 035

0.4 mm
10 mm
11 mm

