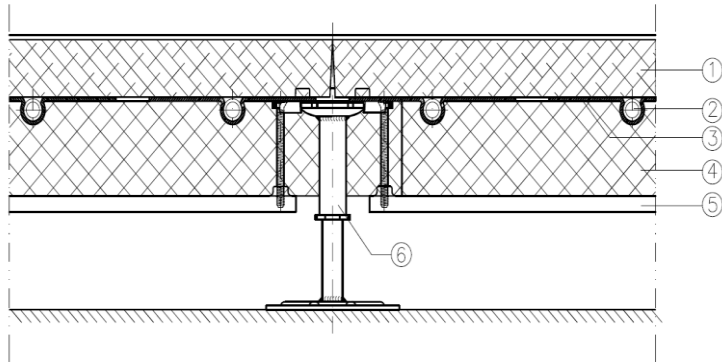


Product data sheet

Type 6 N36 Thermo

System sketch:



- 1 Access floor panel (with/ without covering or with primer for application on jobsite)
- 2 Heating pipe 14x2
- 3 Heat conduction sheet
- 4 Thermal insulation box
- 5 Metal support for thermal insulation box
- 6 Access floor pedestal (type of construction depending on floor height)

Panel:

Dimensions: 600 x 600 mm (special dimensions possible)
 Panel thickness: ~ 36 mm
 Surface: --
 Rrear side: Aluminium coating on request
 System weight: ~ 64 kg/m² (without covering, floor height 250 mm)
 Panel weight: ~ 20,1 kg/pc
 Panel material: Fiber reinforced calcium sulfate panel

System:

Panel: EPS 600x600x60 mm
 Thermal conductive sheet: Aluminium
 Heating tube: Protec PE-RT 14x2 mm, made of cross-linked Polyethylene according to DIN 4726. For use as surface heating and cooling pipe.

Installation grid: 150 mm

Substructure

Module: 600 x 600 mm
 Pedestal material: Galvanized steel
 Construction height: (without covering) ~ 150 - 500 mm FFH (higher constructions on request)
 Stringer: --

Load values:

Point load / deflection class: 3.000 N / A
 Load class acc. to DIN EN 12825: Class 2
 Ultimate load: ≥ 6.000 N
 Safety factor: ≥ 2,0

Electrostatic: (DIN EN 1081 / DIN IEC 61340-4-1)

Depending on floor covering: R₂ or. R_G > 10⁵ Ohm

Fire protection:

Building material class panel
 Acc. to DIN EN 13501 T1: A1
 Fire resistance class (DIN 4102 T2): F30 possible up to FFH 1230 mm
 Fire resistance class (DIN EN 1366-6): REI30 possible (tested – FFH 1200 mm)

Thermal coefficient: (base material)

~ 0,44 W/mk

Sound insulation values:

New designation acc. to DIN EN ISO 140

- Sound reduction value R_{L,w,P} 51 - 54 dB D_{n,f,w,P} Normalized flanking sound pressure level
- Standard foot fall sound L_{n,w,P} 66 - 38 dB L_{n,f,w,P} Normalized flanking impact sound pressure level
- Impact sound reduction ΔL_{w,P} 14 - 34 dB ΔL_{w,P} Reduction of impact sound pressure level

Product data sheet	Type 6 N36 Thermo
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Performance chart heating and cooling

Heating

**Installation grid
150 mm**

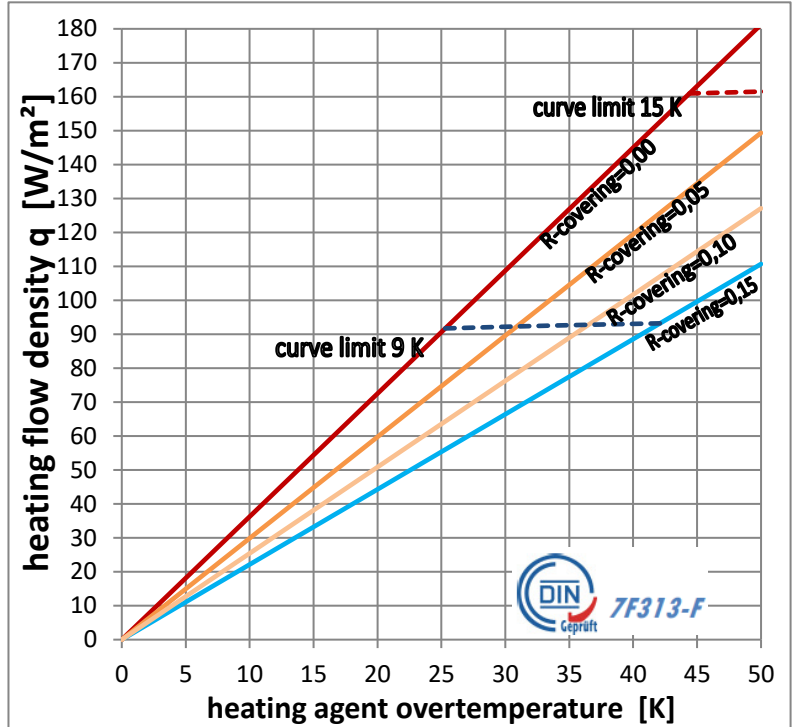
Heating flow density q_G acc. to DIN EN 1264-2 (without covering, $R_{\lambda}=0,00$ m²K/W) 91,7 W/m²

At standard heating agent overtemperature $\Delta\theta_H$ 25,3 K

Heating flow density q_G acc. to DIN EN 1264-2 (with covering, $R_{\lambda}=0,15$ m²K/W) 93,2 W/m²

At standard heating agent overtemperature $\Delta\theta_H$ 42,1 K

$R_{\lambda,B}$ carpet	0,07	m ² K/W
	–	
	0,23	
$R_{\lambda,B}$ ceramic tile/stone	0,02	m ² K/W
$R_{\lambda,B}$ PVC	0,01	m ² K/W



Cooling

**Installation grid
150 mm**

Specific cooling capacity q acc. to DIN EN 1264-5 23,0 W/m²

Cooling agent low temperature $\Delta\theta_K$ 8 K



All type 6 Thermo systems are designed to operate dew point free. The coldest point of the system temperature must be at least 3°C over the definite dew point temperature.

The heating and cooling capacity of the system has been determined with the floor panel type 6 N36. If other panels are used deviations are to be expected.

