EPECON
Inred med vacker värme

Hudevad Lignum

Techical datasheet

HUDEVAD
RADIATOR DESIGN
Stelrad Radiator Group

CE EN 442-1
das.se 03.019/0

Key benefits

Zone-divided panels

Making it possible to target the heat emission where people are located

Can be built into other building elements such as window reveals, floors and ceilings

Making it "invisible" thus providing a high degree of design flexibility

No openings, holes or convector ribbons

Allows for no deposits of dirt and dust, making it extremelig hygienic and easy to clean

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Description

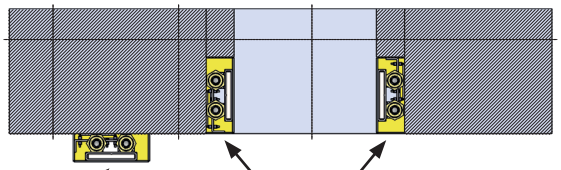
Hudevad Lignum is the most hygienic radiator on the market - period. The completely integrated radiator can be built into walls, window reveals, door frames and floors, both horisontally and vertically to create a 100 % sealed heating source. There are no openings or small cavities where bacteria, dust and dirt can form deposits, and the flat front of the radiator ensures that cleaning the Hudevad Lignum is as easy as wiping a table. Hudevad Lignum is a steel radiator with flat panels and cover plates to conceal pipework. Moreover, the radiator has zone-divided panels, allowing you to specifically target the heat emission where you want it.

Material	Flat panels in 2 mm steel plate acc. to EN 10051, EN 10130, DIN 2395 Water -filled panels: Profile tubes 70 x 11 x 2 mm acc. to DS/EN 10130 PIR foam insulation: "Class 1" fire approval in compliance with BS476 and B2 cf. DIN4102
Test pressure	13 bar
Max. operating pressure	10 bar - EN 442
Max. operating temperature	95°C
Surface treatment	Powder coated acc. to DIN 55900, EN 442
Length	100-400 mm, in increments of 1 mm
Height	800-4000 mm, in increments of 100 mm
Depth	"Standard": 38 mm Corner: 38 mm – min. 100 mm outside angle length
Tappings	1/2" standard, adapter for 3/8" ø12/ø15 mm. Steelpipes for pressfitting connection Valve: Built in valve format 1 on request
Installation	Wall mounted Brackets and air vent are included
Optional extras	Built-in valve Top and bottom cover panels
Colour	Powder coated in white RAL 9016, gloss 70 Powder paint with high UV resistance Can be painted in other colours. Please see the Hudevad colour brochure on www.hudevad.com

Illustration

Installation example

Lignum "Standard", top view

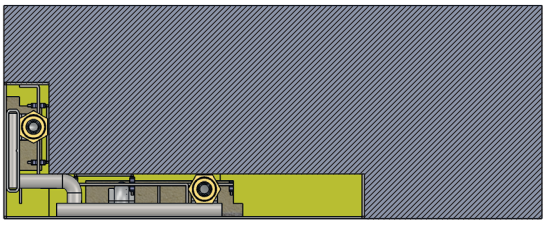


Surface mounted on wall

Built into window reveal/door frame

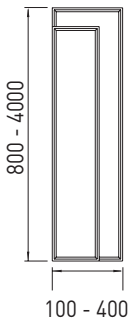
Installed in corner

Lignum "corner", top view

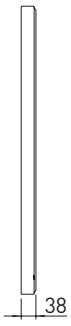


Installation example, built into window reveal /door frame

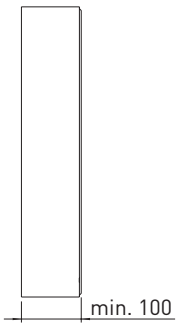
Dimensions



Height and length

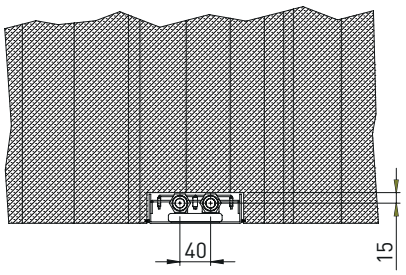


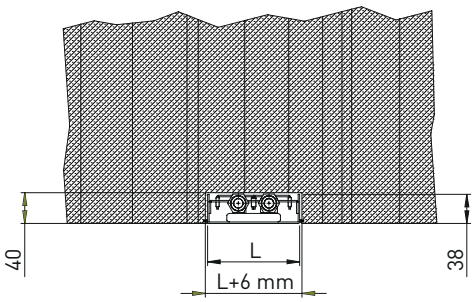
Profile view



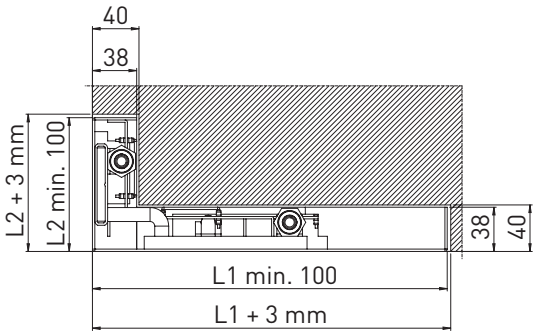
Corner installation, profile view

Build-in dimensions

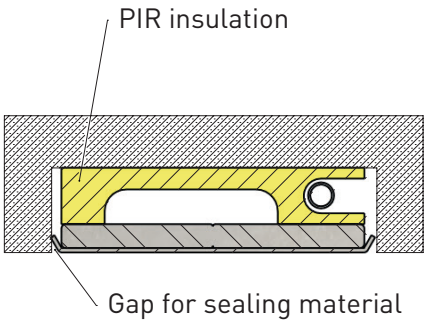




Corner installation



Insulation and sealing



Output

Output for radiator height 2200 mm

Length	Output				Water content	Weight
mm	Watt 75°/65°/20°	Watt 90°/70°/20°	Watt 82°/71°/20°	Watt 55°/45°/20°	litres	kg
100	212	266	248		1.2	12.5
110	233	293	273		1.2	12.8
120	254	319	298		1.2	13.1
130	275	346	322		1.2	13.5
140	297	372	347		1.2	13.8
150	318	399	372		1.2	14.2
160	339	426	397		2.4	20.0
170	360	452	422		2.4	20.3
180	381	479	446		2.4	20.7
190	403	505	471		2.4	21.0
200	424	532	496		2.4	21.4
210	445	559	521		2.4	21.7
220	466	585	546		2.4	22.1
230	487	612	570		2.4	22.4
240	508	638	595		3.6	28.2
250	530	665	620		3.6	28.6
260	551	692	645		3.6	28.9
270	572	718	670		3.6	29.3
280	593	745	694		3.6	29.6
290	614	771	719		3.6	30.0
300	636	798	744		3.6	30.3

Output/height table

Height, mm	Factor	Height, mm	Factor
800	0.41	**2500**	1.12
900	0.46	**2600**	1.16
1000	0.50	**2700**	1.20
1100	0.54	**2800**	1.24
1200	0.59	**2900**	1.27
1300	0.63	**3000**	1.31
1400	0.67	**3100**	1.35
1500	0.71	**3200**	1.39
1600	0.76	**3300**	1.43
1700	0.80	**3400**	1.46
1800	0.84	**3500**	1.50
1900	0.88	**3600**	1.54
2000	0.92	**3700**	1.58
2100	0.96	**3800**	1.61
2200	1.00	**3900**	1.65
2300	1.04	**4000**	1.69
2400	1.08		

Exponent 'n' = 1.2878

How to calculate the output using the output table and the output/height table:

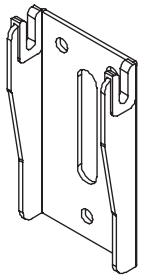
Example: Length 190 mm, height 2500 mm, temperature set 82°/71°/20°C

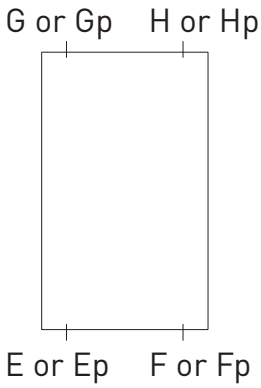
Output table:
Length 190 mm = 471 W/m

Output/height table:
Height 2500 mm = factor 1.12

Calculation:
471 W/m x factor 1.12 = 528 W

Accessories



Wall bracket 20 mm

Tappings