

Hebel floorpanels details

The floorpanels have following dimensions:

- Width: 600mm
- Thickness: 200, 240, 300mm
- Length: as required per drawing, to a maximum of - see table below

- The superimposed loading consists of 2 KN/m² uniformly distributed loading and a permanent load.
- The panels have a deflection of L/500.
- For different uniformly spread and permanent loads or a different calculation please contact our technical department.
- The length of the panels is inclusive the bearing.

Hebel Floorpanels AAC 4,5/550									
Superimposed loading (kN/m ²)	Thickness								
	200mm			240mm			300mm		
	REI60	REI90	REI120	REI60	REI90	REI120	REI60	REI90	REI120
	Max. Length (mm-including bearing). Floorpanels without openings and without any additional pointloadings								
3,00	5500	5300	5200	6700	6300	6200	6750	6750	6750
3,50	5200	5000	4900	6300	6000	5900	6750	6750	6750
4,00	5000	4800	4600	6100	5800	5600	6750	6750	6750
4,50	4800	4600	4400	5800	5600	5500	6400	6300	6300
5,00	4600	4500	4300	5600	5400	5300	6000	5900	5900
5,50	4500	4300	4100	5500	5200	5100	5600	5500	5500
6,00	4300	4200	4000	5200	5100	5000	5300	5200	5200
6,50	4200	4100	3900	4900	4800	4800	5000	4900	4900
7,00	4100	4000	3800	4600	4600	4500	4700	4700	4700

Bearing:

For masonry we recommend a minimum bearing of 90 mm

The minimum bearing for steel or concrete is:

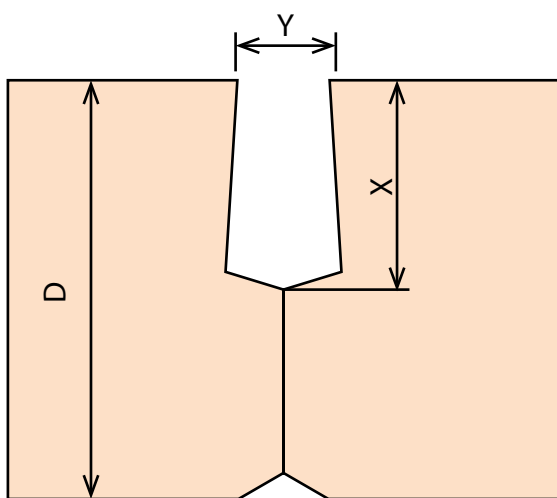
Length of the floorpanel (mm)	minimum bearing (mm)
3000	72
4000	76
5000	80
6000	84
6750	88

Tolerances

Length: $\pm 3\text{mm}$ for $l \leq 1200\text{mm}$
 $\pm 0.0025L$ for $L > 1200\text{mm}$
 Width: $\pm 2\text{mm}$
 Thickness: $\pm 2\text{mm}$

Profile

- Floorpanels are only available with a symmetrical profile.
- pointing obligatory
- coat after pointing
- The longitudinal ribs of the floorpanels are chamfered



Thickness D (mm)	100	150	200	240	300
Height X (mm)	52	75	75	75	75
Width Y (mm)	35	35	35	35	35
Mortar use in l/m	2,1	3	3	3	3

Filling of the joints:

Reinforcement: diam. 6mm bars x 1.0m long placed in joints over support

Concrete:

Longitudinal joints:

- 300kg P40 cement
- 1m³ river sand

Transverse joints:

Mortar:

- 350 kg P40 cement
- 600 kg river sand
- 1200 kg 2/8 gravel

Thermal insulation

Panel width	Density AAC 4.5/550 U (W/m ² K)
200	0,65
240	0,55
300	0,45

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