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+420 737 246 887 · info@profiobklady.cz

PEDESTAL CALCULATOR

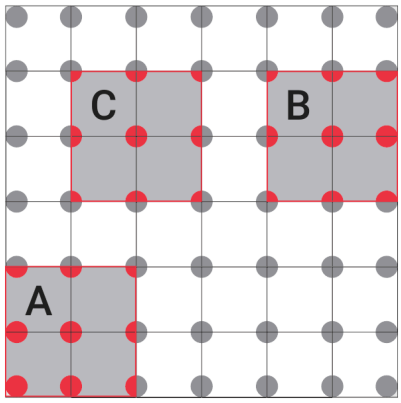
Approximate number of pedestals per 1 m² for laying paving slabs and decking boards.

HOW TO CALCULATE THE NUMBER NEEDED?

PAVING

This is an approximate calculation that does not include the pedestals needed around the perimeter of the area. For an exact number of pedestals around the perimeter, the tile layout needs to be drawn on a plan and the pedestals counted by hand, or contact us and we will count them for you.

The diagram on the right shows how the quantity per 1 m² varies depending on where the square metre is located: in a corner of the area (A) it is 6.5 pcs (the highest), along an edge (B) it drops to 5 pcs (average) and inside the area (C) to 4 pcs. This corresponds to one pedestal per tile, as follows from the formula below.



A corner of the area: 6.5 pcs/m²
B along the edge: 5 pcs/m²
C inside the area: 4 pcs/m²
(50 × 50 cm tiles)

1 : L1 : L2 quantity in pcs/m², L1 and L2 are the sides of the tile in metres

EXAMPLE **1 : 0.50 : 0.50 = 4.00 pcs/m²** (corresponds to 1 pedestal per 50 × 50 cm tile)

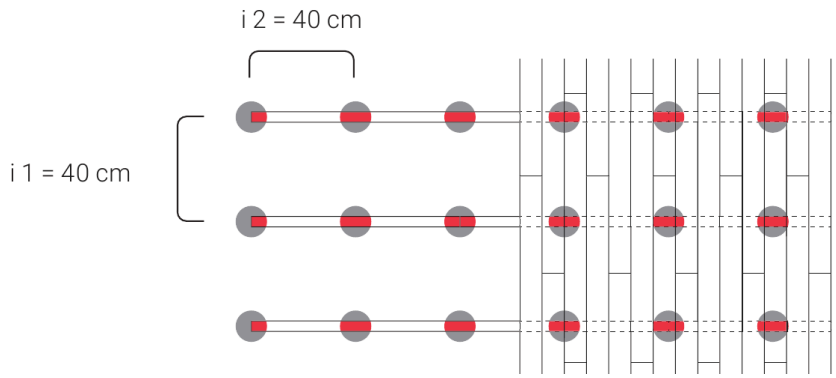
We recommend never exceeding a pedestal spacing of 60 cm without additional support.

The quantity tables contain a purely mathematical calculation that does not take account of the conditions on a specific building site. The values are therefore approximate and we recommend increasing them by about 10%. Always contact us for details on the number of pedestals.

DECKING BOARDS

For an approximate calculation for decking boards, you only need to know the spacing of the supporting joists **i1** (wooden, aluminium or WPC joists of the substructure) and the spacing of the pedestals under one joist **i2** (see the diagram). If both spacings are 40 cm, you will find the approximate quantity in the table at the intersection of the 40 cm column and the 40 cm row. Both spacings are usually the same, so the table lists only the dimensions that form a square.

For decking boards too, the calculation is only approximate: it gives an idea of the number of pedestals per 1 m², but does not include the pedestals around the perimeter. For an exact calculation, the deck layout needs to be drawn on a plan and the pedestals along the edge counted by hand (a joist is usually laid along the whole perimeter), or contact us.



i1 spacing of joists · **i2** spacing of pedestals under a joist

1 : i1 : i2 pcs/m², spacings in metres

i1 \ i2	i2 (cm)			
	35	40	45	50
35	8.20			
40		6.20		
45			5.0	
50				4.0

Quantity in pcs/m², spacings i1 and i2 in cm

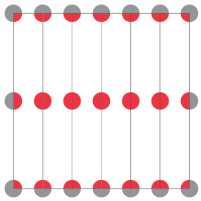
CONTACT US FOR AN EXACT CALCULATION

We will work out the pedestals needed for your area, including the perimeter.

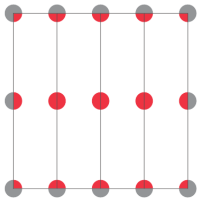
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LAYING PAVING SLABS

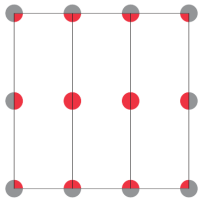
Pedestal layout and quantity in pcs/m² by tile size.



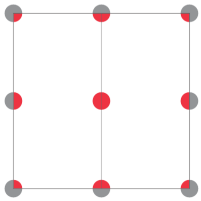
20 × 120 cm
8.30 pcs/m²



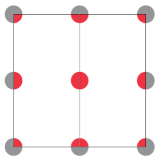
30 × 120 cm
5.50 pcs/m²



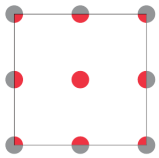
40 × 120 cm
4.20 pcs/m²



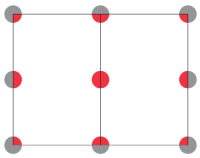
60 × 120 cm
2.80 pcs/m²



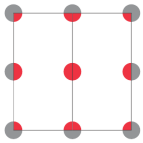
45 × 90 cm
4.90 pcs/m²



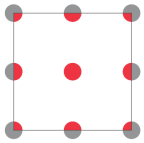
90 × 90 cm
4.90 pcs/m²



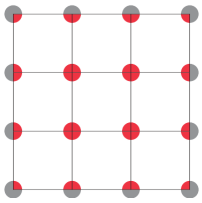
60 × 90 cm
3.70 pcs/m²



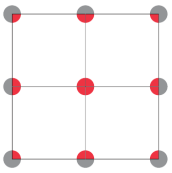
40 × 80 cm
6.20 pcs/m²



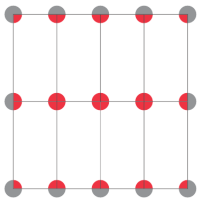
80 × 80 cm
6.20 pcs/m²



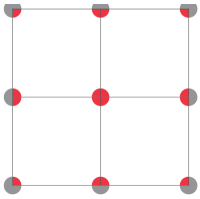
40 × 40 cm
6.20 pcs/m²



50 × 50 cm
4.00 pcs/m²



30 × 60 cm
5.50 pcs/m²



60 × 60 cm
2.80 pcs/m²

PLEASE NOTE

The calculations are approximate and do not include the perimeter or irregularly shaped areas. We recommend increasing the quantity by about 10%.

1 : L1 : L2

1 pedestal per tile, pedestals at the corners

(1 : L1 : L2) × 2

2 pedestals per tile, plus one pedestal in the middle of the longer side (long formats)

(1 : L1 : L2) × 4

4 pedestals per tile, with pedestals also in the middle of all sides and in the centre of the tile (80 × 80 and 90 × 90 cm)

L1, L2 = sides of the tile in metres, result in pcs/m².

L1 \ L2	L2 (cm)		
	40	50	60
20			8.30
30			5.50
40	6.20		4.20
50		4.00	
60			2.80

Quantity in pcs/m², L1 = shorter side of the tile in cm

L1 \ L2	L2 (cm)		
	80	90	120
20			8.30
30			5.50
40	6.20	5.50	4.20
60		3.70	2.80
80	6.20		
90		4.90	1.80

Quantity in pcs/m², L1 = shorter side of the tile in cm

CONTACT US FOR AN EXACT CALCULATION
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