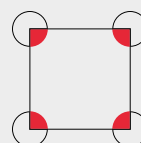


COUNT OF SUPPORTS CONSUMPTION PER SQUARE METRE TILE & DECKING FLOOR ALIGNED INSTALLATION

To calculate the number of supports required for installing a raised floor, we have to consider three elements: the **finish** (tile or decking), the **size** of each tile or plank and the **type of installation** (aligned or offset).



In the installation, the ratio between supports and tiles is 1:1

$$1/4 + 1/4 + 1/4 + 1/4 = 1 \text{ SUPPORT}$$

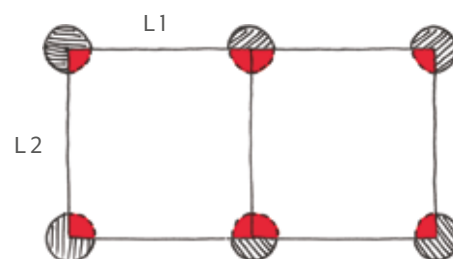
WITH ALIGNED INSTALLATION OF TILES WITH SIDE UP TO 60 CM

CALCULATION FORMULA x sq.m = 1: L1 : L2

The calculation of number of supports should be considered per square metre.

E.g. with 50x50 cm square tiles, the supports consumption is 4 pieces per square metre; with 30x60 cm rectangular tiles, the supports used is 5.55 per square metre.

For other examples in more common formats, see the table (sheet back).

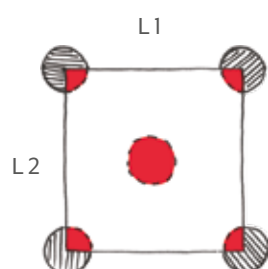


WITH ALIGNED INSTALLATION OF TILES WITH SIDE OVER 60 CM

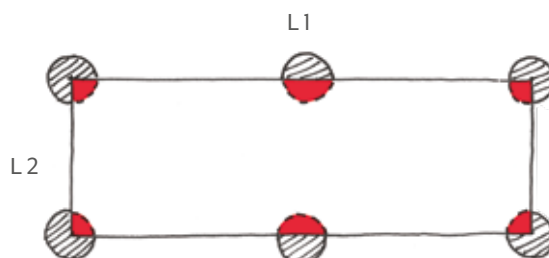
CALCULATION FORMULA x sq.m = (1: L1 : L2) • 2

The calculation of number of supports should be considered per square metre. We recommend to not exceed a 60 cm span without a support: add a central support (e.g. 1) on each tile or halfway of the long sides (e.g. 2).

For other examples in more common formats, see the table (sheet back).



Example 1
traditional installation
+ central support



Example 2
traditional installation
+ supports halfway
along the long sides

TILE & DECKING FLOOR ALIGNED INSTALLATION

consumption tables per square metre for some of the most used formats

Calculation formula per sq.m with aligned installation of tiles

with sides up to 60 cm = **1 : L1 : L2**

		L 2		
L 1	cm	40	50	60
	20			8,33
	30			5,55
	40	6,25		4,16
	50		4,0	
	60			2,77

with 1 side over 60 cm = **2 : L1 : L2**

with 2 sides over 60 cm = **4 : L1 : L2**

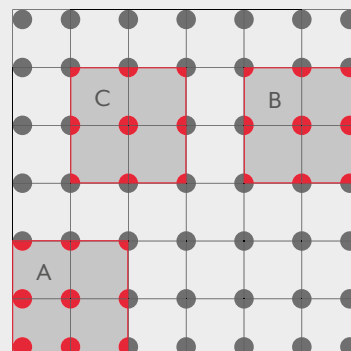
		L 2		
L 1	cm	80	90	120
	20			8,33
	30			5,55
	40		5,55	4,16
	60			2,77
	80	6,25		
	90		4,95	3,70

PLEASE NOTE

THE FORMULAS DO NOT CONSIDER THE PERIMETER CALCULATION OF THE SUPPORTS AND ANY SCRAP

All formulas for calculating the used supports are to be considered purely indicative, since they do not include the perimeter consumption, for which it is necessary to proceed with the layout and manual counting.

The drawing shows, with 50x50 cm format, how the perimeter consumption per square metre is different if we examine an angle (e.g. A where consumption is 6.25 pcs), along the perimeter (e.g. B with 5 pieces) or inside the area (e.g. C with only 4 pcs).



DOUBTS ABOUT THE CALCULATION?

USE MEGAPRO, THE CALCULATION WEB-APP

For a total and precise calculation of the number of supports required to create your specific floor, including autofill of the itemized list, we recommend using **MegaPro**, our on-line calculation software, accessible free of charge from: megapro.impertek.it

If you need more information on the consumption of supports, or on MegaPro, please **contact our customer service** on +39 0421 322 525 or at the e-mail address info@impertek.com

Upload your plan, automatically calculate the supports and download the itemized list!

