

As a general rule, the profiles of the doormat must be perpendicular to the direction of transit

The sketch below shows the two possible alternatives for the manufacture of any rectangular doormat

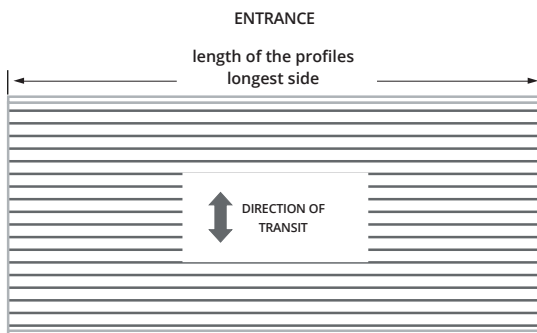
A) LANDSCAPE: the length of the longest side matches the length of the profiles

B) PORTRAIT: the length of the shortest side matches the length of the profiles

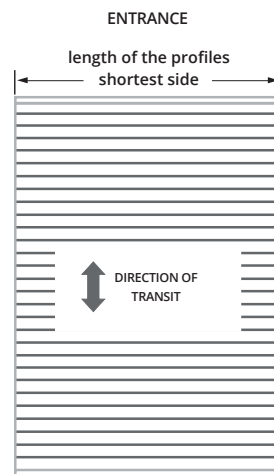
For each particular case only one of the two previous alternatives is correct. At the time of formalizing an order the correct alternative should be indicated

(\* ) For square doormats, these instructions are not necessary

## LANDSCAPE



## PORTRAIT



For mats whose profile length is less than 5 meters, the distance from the edge of each of the four sides of the mat to the wall of the matwell where it is contained must be 2 mm. In other words, the doormat must measure 4 mm less in width and in length compared to the dimensions of the matwell where it will be housed

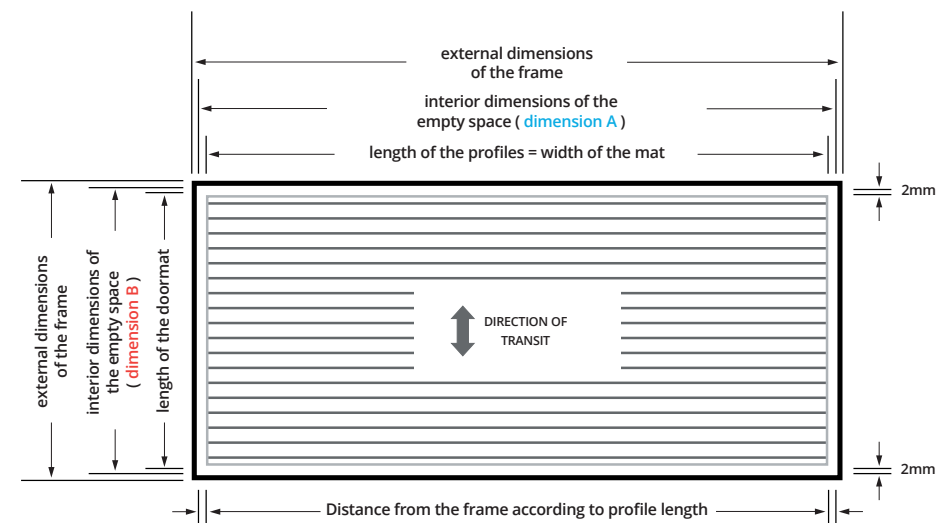
The aluminium profiles that make up the mat can expand when exposed to solar radiation. To prevent the profiles from dilating and arching, it is necessary to provide a dilation tolerance. To calculate the expansion tolerance (only in the length of the profiles) of those mats whose profiles exceed 5 meters in length, the following table should be used

length of the profiles	Dilation tolerance ( distance from frame )
up to 5 meters	2mm
from 5 to 8 meters	3mm
greater than 8 meters	4mm

**Example case 1:** if **dimension A** is 3000mm and **dimension B** is 1500mm, the mat should measure 2996 mm in width ( length of the profiles ) and 1496 mm in length

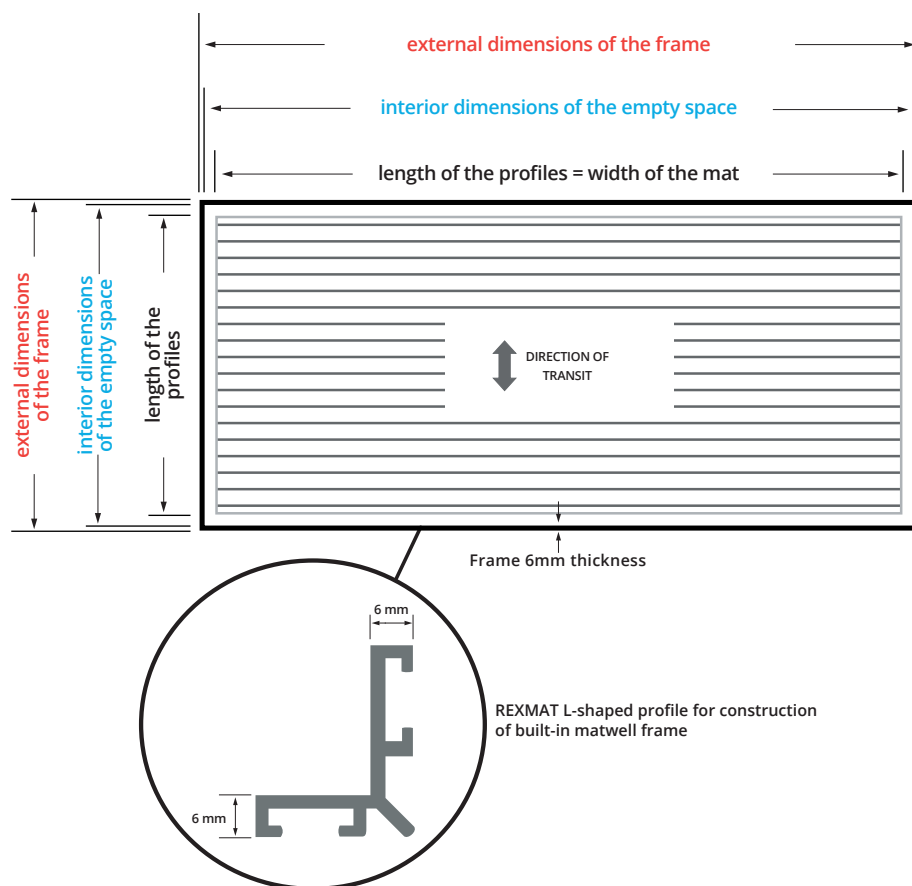
**Example case 2:** if **dimension A** is 6000mm and **dimension B** is 6000mm, the mat should measure 5994 mm in width ( length of the profiles ) and 5996 mm in length

**Example case 3:** if **dimension A** is 9000mm and **dimension B** is 3000mm, the mat should measure 8992 mm in width ( length of the profiles ) and 2996 mm in length



There are two ways to order a rectangular shaped doormat:

- doormat + REXMAT matwell frame order request. In this case the external dimensions of the perimeter frame must be indicated, which means that the size of the mat will be 16 mm less than those dimensions ( 6mm frame thickness + 2mm tolerance x 2 sides = 16)
- doormat order request. In this case there are two alternatives:
  - by indicating the internal dimensions of the empty space, we would subtract the appropriate tolerance in regard to those dimensions
  - by indicating the dimensions of the doormat to be manufactured. In this case the client is fully responsible for calculating the appropriate tolerance in regard to the dimensions of its housing

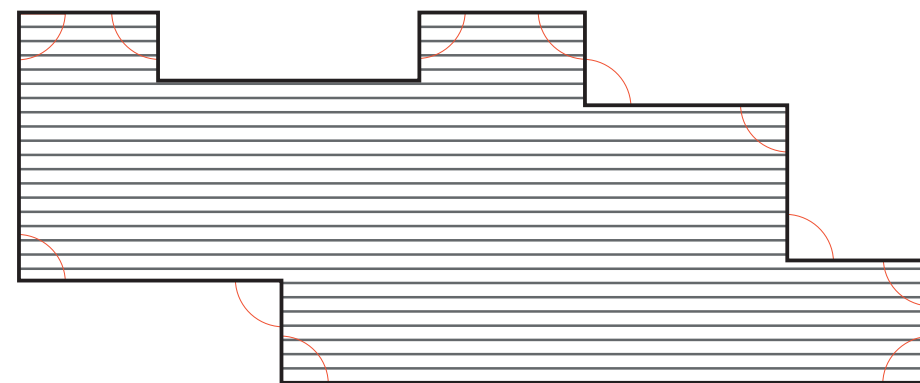


For the manufacture of any mat with a non-rectangular shape there are two alternatives:

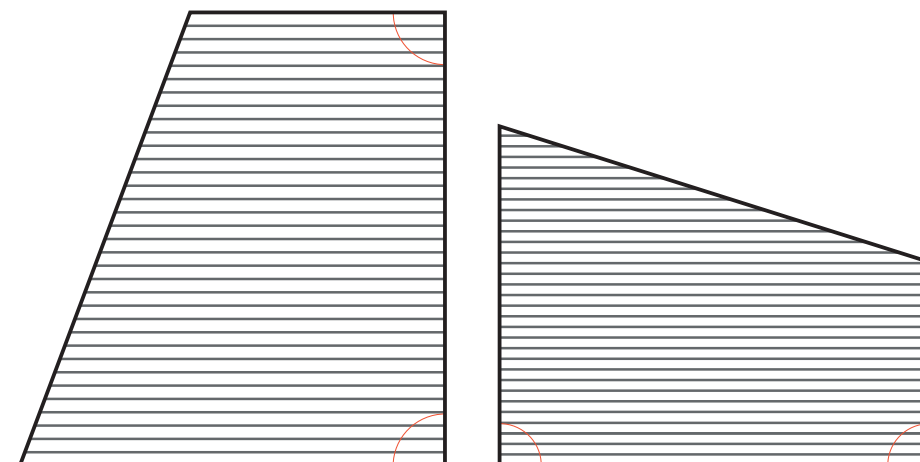
- from a blueprint made by a CAD / CAM programme
- by means of a template taken in situ, cutting a rigid material ( for example, a piece of PVC flooring, or carpet ) in the shape of the matwell

There are certain exceptions for which none of the above is necessary:

- doormats in which all the angles are straight, or any other regular shape, such as a circle



- straight four-sided mats with two contiguous right angles



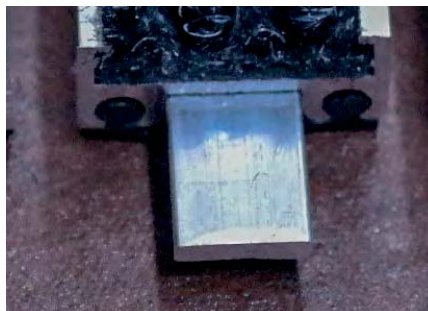
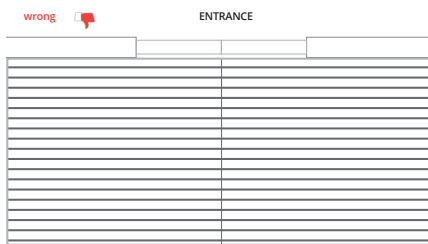
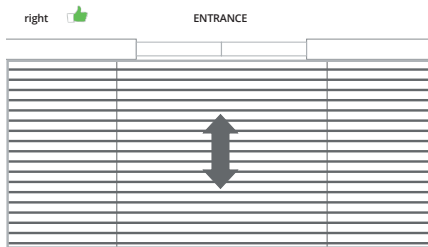
If the doormat is very large, its weight will be considerable, so it is therefore advisable to divide it into several pieces in order to better facilitate handling

When dividing a large doormat into several pieces, divisions should not be visible in the main transit area. As far as possible, these divisions should be located as far away as possible from the main passageway, or even hidden behind columns, or walls

In the graph on the right, an example of dividing a doormat into several pieces is shown: in this case, it is preferable to divide the doormat into a central piece, which covers the entire main transit area, and two side pieces, rather than dividing it into two equal parts, so as to avoid the division being in the main transit area

The pieces into which a doormat has been divided are easily assembled, so that the divisions are hardly noticeable ( NOTE: it is not possible to assemble 10mm high pieces together )

Therefore, in the design of the profiles, a connecting plate will be included for this purpose and it will be incorporated into the manufacture of the profiles of which the doormat is made. The piece next to it must be unrolled and connected by inserting connecting plate into the housing. In this way, any division will be barely noticeable



In the extreme case where mats are so large that it is necessary to divide both dimensions ( width and height ), as shown in the example of the graph on the right, it will be necessary to fix a pair of flat bars to the bed of the matwell with a separation of 20 mm between them ( see photo and graphic below ), at the points marked in red. Doormat pieces should be fitted by inserting these plates into the profile housings

With the assembly of these plates, the same separation is obtained as between any two profiles. In this way, the division will barely be noticeable

