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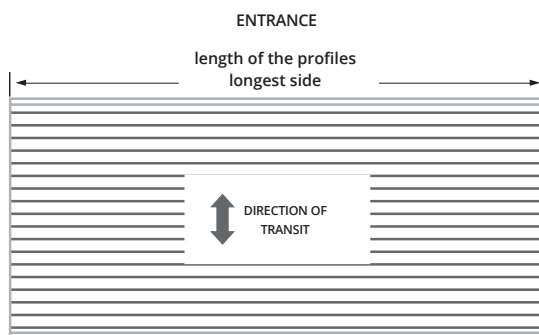
A) LANDSCAPE: the length of the longest side matches the length of the profiles

B) PORTRAIT: the length of the shortest side matches the length of the profiles
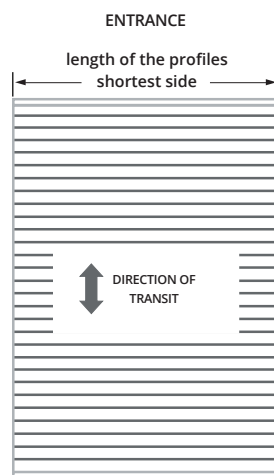
For each particular case only one of the two previous alternatives is correct. At the time of formalizing an order the correct alternative should be indicated

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

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
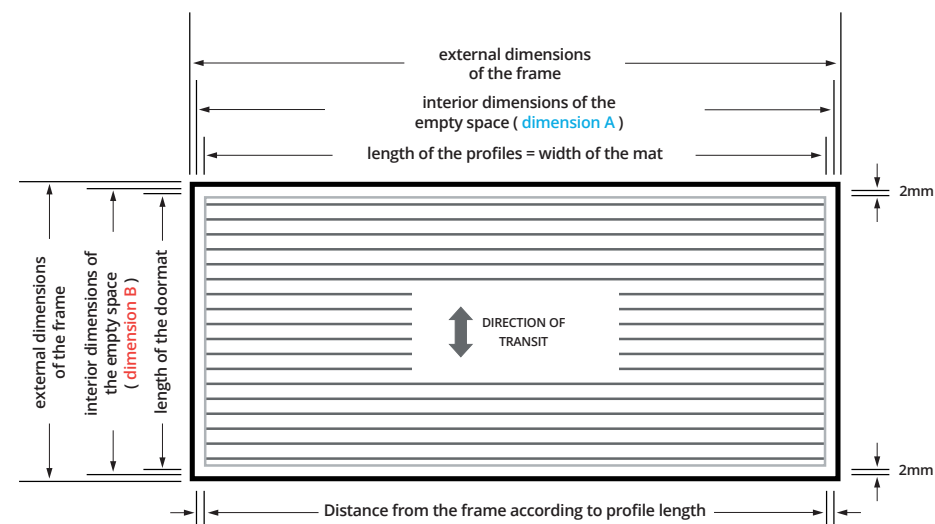
The aluminium profiles that make up the mat can expand when exposed to solar radiation. To prevent the profiles from dilating and arching, it is necessary to provide a dilation tolerance. To calculate the expansion tolerance (only in the length of the profiles) of those mats whose profiles exceed 5 meters 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
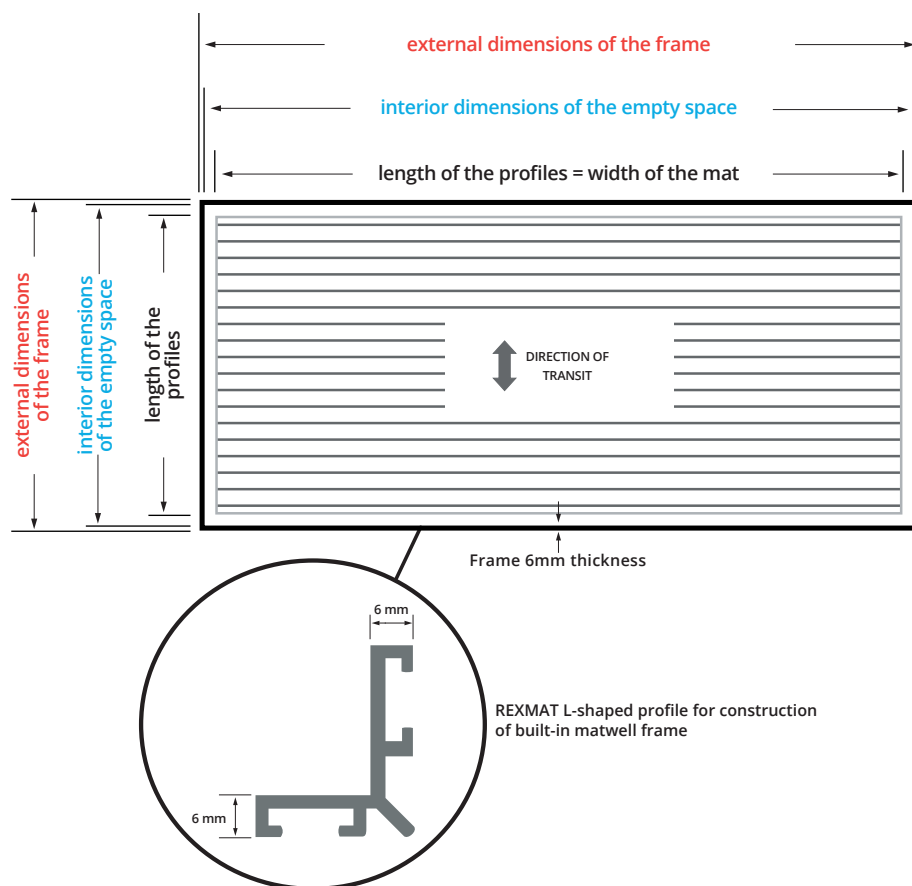
Example case 2: if dimension A is 6000mm and dimension B is 6000mm, the mat should measure 5994 mm in width (length of the profiles) and 5996 mm in length

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

LANDSCAPE

ENTRANCE

length of the profiles
longest side

DIRECTION OF TRANSIT

PORTRAIT

ENTRANCE

length of the profiles
shortest side

DIRECTION OF TRANSIT

external dimensions of the frame

interior dimensions of the empty space (dimension A)

length of the profiles = width of the mat

2mm

external dimensions of the frame

interior dimensions of the empty space (dimension B)

length of the doormat

DIRECTION OF TRANSIT

2mm

Distance from the frame according to profile length

There are two ways to order a rectangular shaped doormat:

1. 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)

2. doormat order request. In this case there are two alternatives:

    A) by indicating the internal dimensions of the empty space, we would subtract the appropriate tolerance in regard to those dimensions

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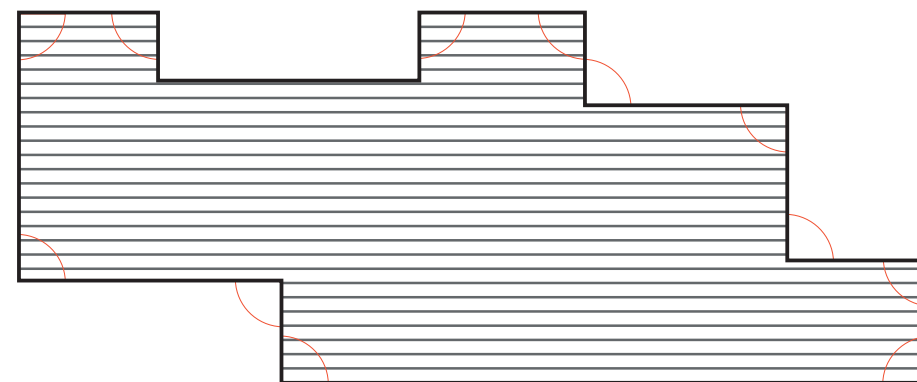
For the manufacture of any mat with a non-rectangular shape there are two alternatives:

1. from a blueprint made by a CAD / CAM programme

2. 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:

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

external dimensions of the frame

interior dimensions of the empty space

length of the profiles = width of the mat

external dimensions of the frame

interior dimensions of the empty space

length of the profiles

DIRECTION OF TRANSIT

Frame 6mm thickness

6 mm

6 mm

REXMAT L-shaped profile for construction of built-in matwell frame

2. straight four-sided mats with two contiguous right angles