Important information regarding blackmark material for DTM CX86e
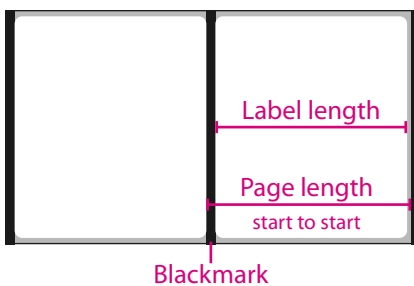
In order to print blackmark media with the CX86e, there are a few things to mind when adjusting the printer settings:

Please be aware that for blackmark material the page length differs from the actual label length.
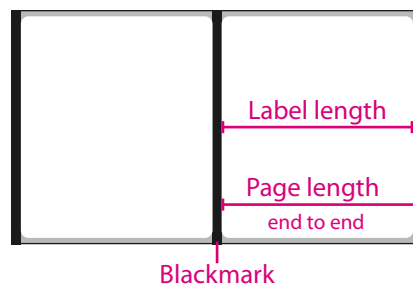
The page length is the distance between blackmarks.
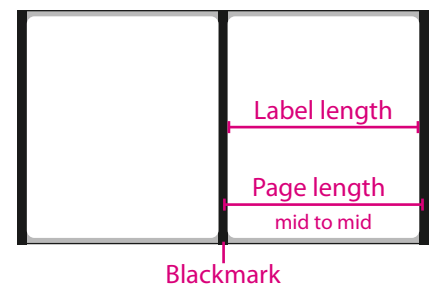There are 3 ways to determine this:

Start to start of the blackmark

Label length

Page length

start to start

Blackmark

End to end of the blackmark

Label length

Page length

end to end

Blackmark

Mid to mid of the blackmark

Label length

Page length

mid to mid

Blackmark

How do you calculate the page length?

In most cases the page length is label length plus gap length:

For standard material (3 mm gap and 3 mm blackmark inside the gap) you can simply add 3 mm to the actual label length to receive the page length.

For material with non standard gap / blackmark you can measure the distance from blackmark start to next blackmark start. The width of the gap is not important, only the blackmark is relevant. Here you can use all three ways described above. (start to start, end to end, mid to mid).

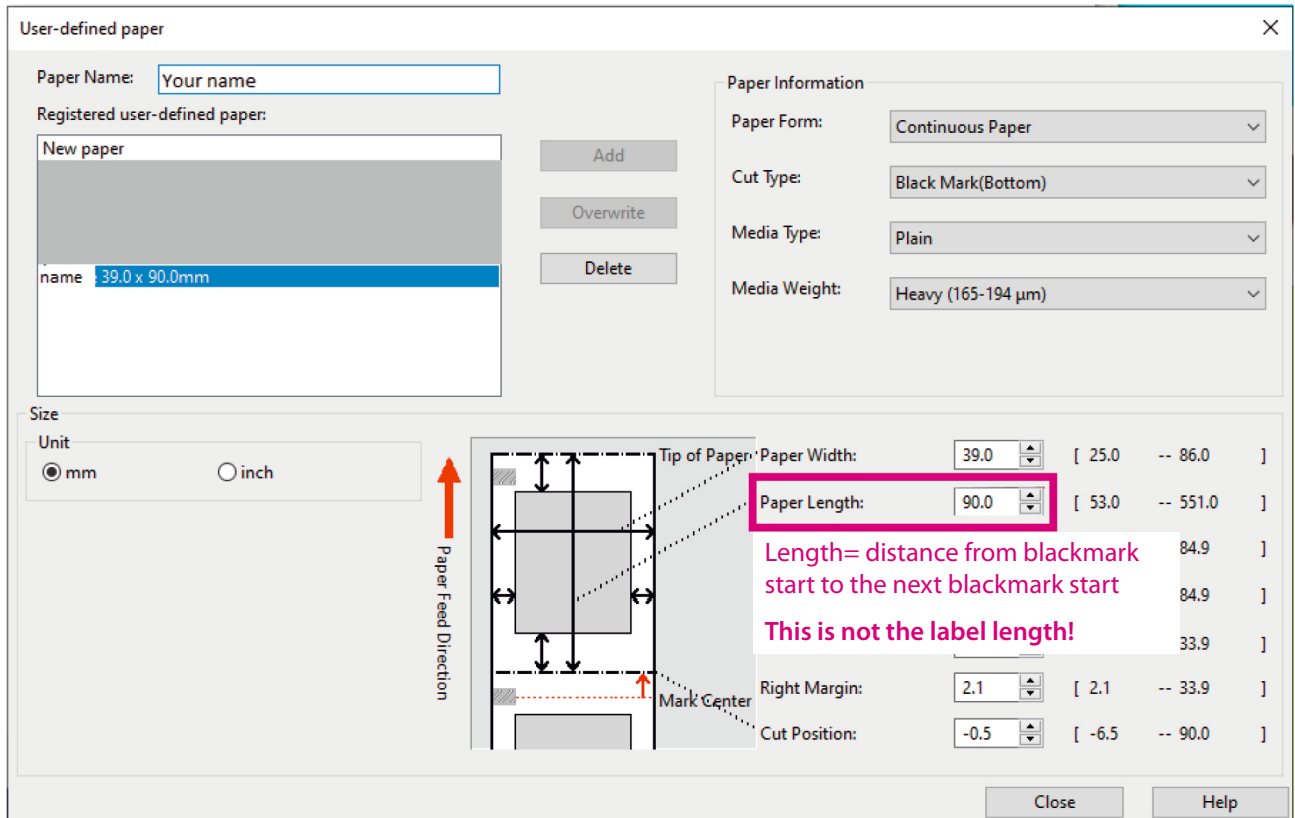## Creating the label design

When creating a label design in NiceLabel or similar label design software you must use the page length instead of the actual label length.

Then you may add a rectangle shape in size of the label, center it horizontally and vertically, set it as "unprintable" object and lock it.

Place your label design inside the unprintable rectangle.

When creating a label design in Adobe Illustrator or a similar software as PDF you must use the actual label dimensions. When printing make sure to use the "actual size" option.

Printing the label

In the printer driver you have to add a new "User-defined paper" and use the page length as "paper length".
Changing "cut position" will also move the print start position.