



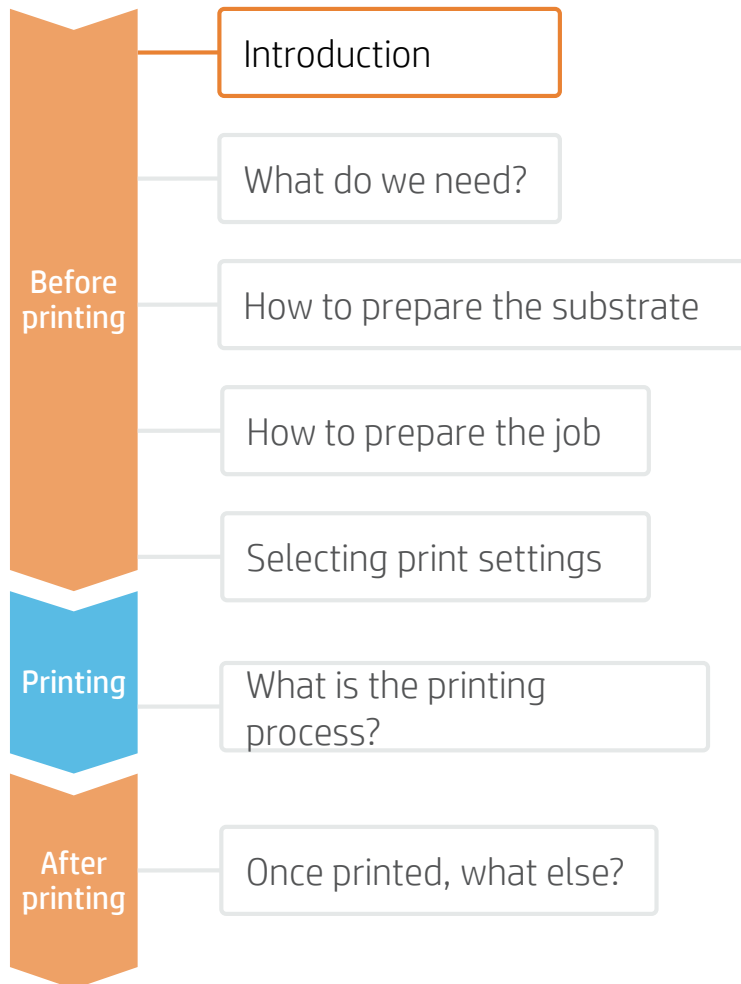
How to print Roll-up Banners

This document will explain how to produce Roll-up Banners



How to produce Roll-up Banners

Introduction



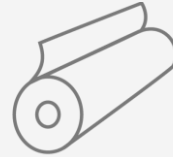
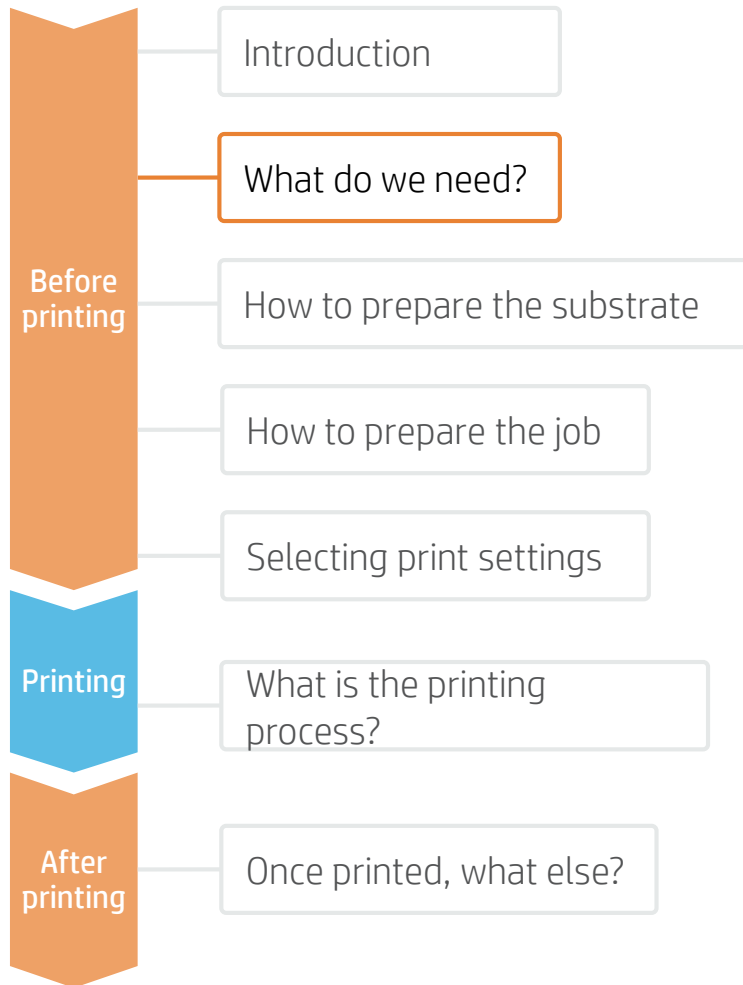
Easy to install, move around, transport and store, Roll-up Banners are a great way to create impactful Signs. While having a considerable size when installed, they can easily adapt to changes, as they can be placed in the most strategic locations at any given moment.

HP Latex Technology offers the possibility to create Roll-up Banners with all types of large format materials, including PVC- and PVC-free banners, like Polypropylene and Polyester fabrics.

How to produce Roll-up Banners



What do we need?



Substrate
PVC Banner
PP / PET Film
Textile



HP Latex Printer



Software tools (RIP,
image editor, etc.)



Roll-up mechanism



Automatic Cutter
or Manual Cutting tools

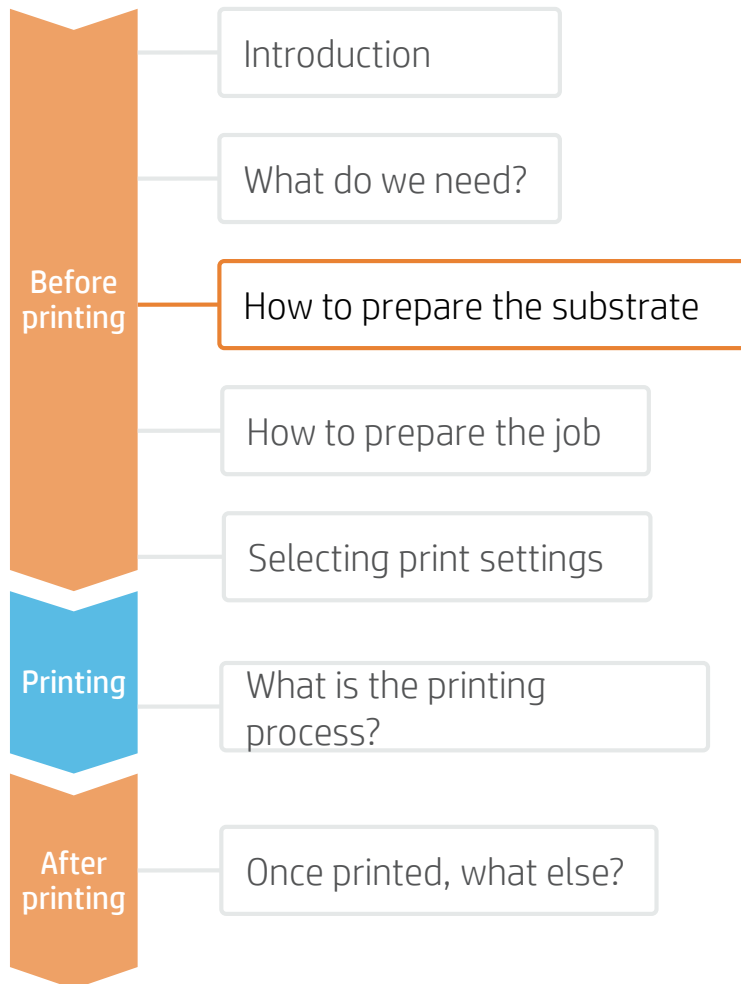


Liquid or Film
Laminate
(Optional)

How to produce Roll-up Banners



How to prepare the substrate



1. Select Substrate Type

The most common types are:

- PVC Banners
- PET Films
- PP Films
- Textiles

Considerations: Durability

For long term applications and/or if the prints will be cleaned or sterilized regularly:

- Consider laminating the prints for the highest resistance to chemicals such as: alcohol, ethanol and Windex.
- PVC Banners offer the best durability on un-protected prints.
- For PET & PP materials, solvent-based coatings offer better durability than water-based ones.

Considerations: Roll Size

Choose the media width that best fits your Roll-up mechanism. Consider using a slightly wider roll than the desired sign to apply a safety margin.

The most popular sign widths are 85 cm (33") and 150 cm (59").
The most popular sign length is 200 cm (79").

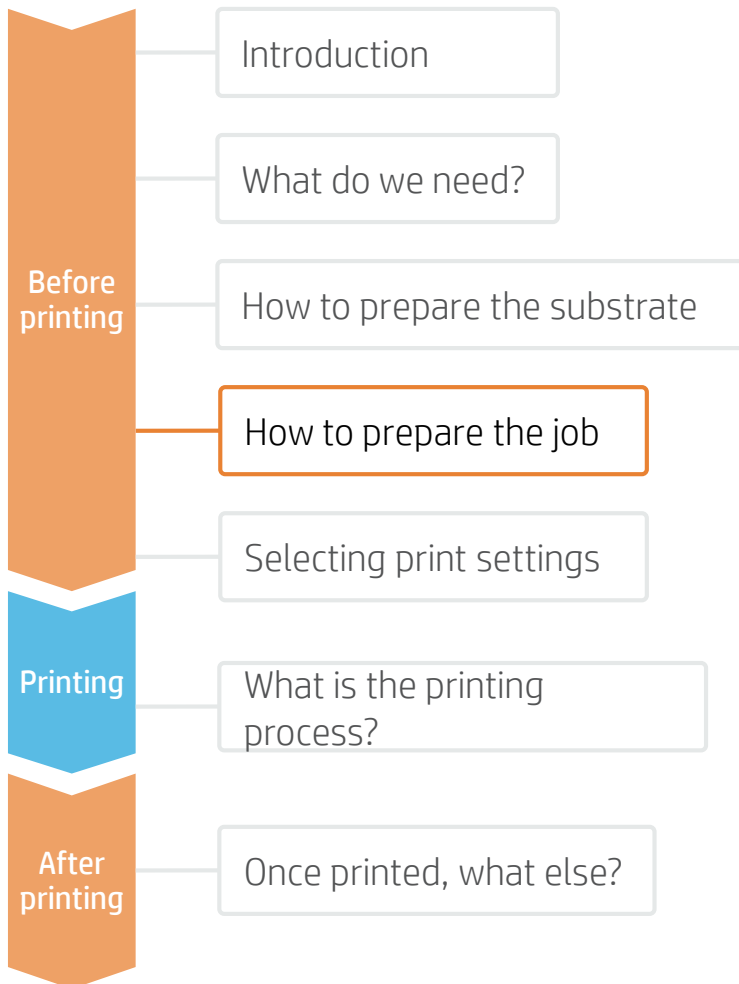
Considerations: Opacity

To prevent rear light sources from affecting the optical saturation and readability of the signs, light-blocking materials are recommended. For example: gray-back films or block-out banners.

How to produce Roll-up Banners



How to prepare the job



1. Create the Image

Create the graphic using standard design tools (Photoshop, Illustrator...)

Make sure the job size fits the characteristics of your Roll-up mechanism.



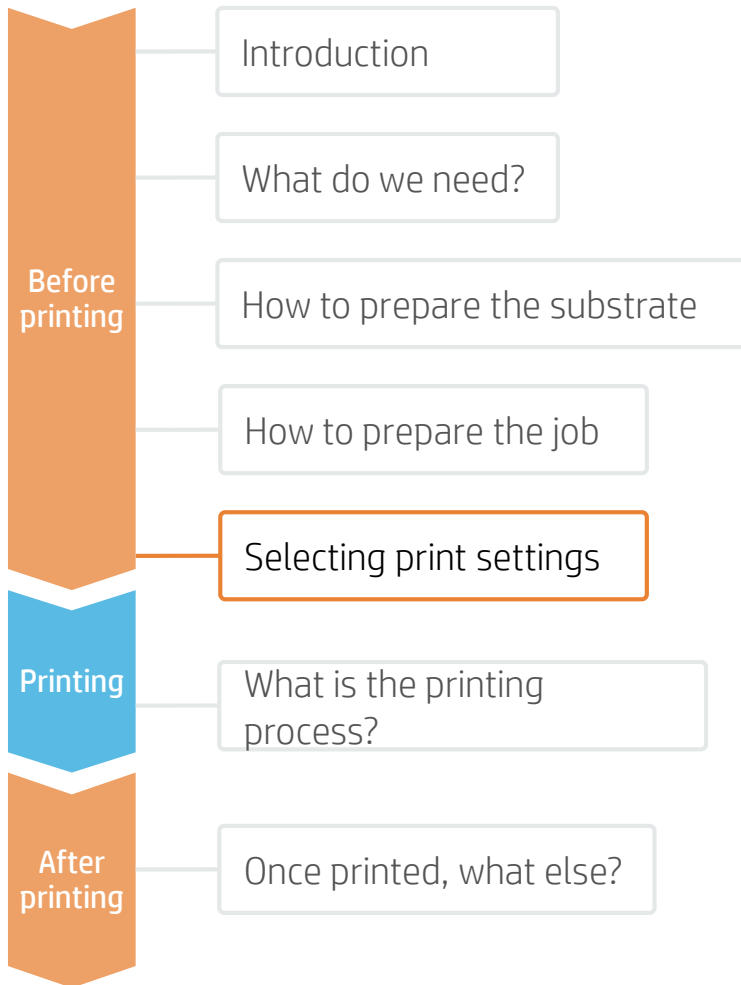
2. Add Cutting Marks (optional)

If you plan to use an automatic cutter, create the cutting job for your image through your RIP.

Check if your support mechanism requires any special shapes or perforations (e.g. holes for grommets).

How to produce Roll-up Banners

Selecting print settings

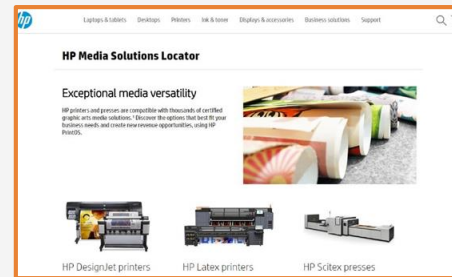


Once the job is selected and the substrate is ready, we're almost ready to print.

First we need to select the right printing settings. These settings are found within the **substrate presets**.



Use different media presets based on the substrate being used



Substrate presets

Many substrates have been tested at hp on different Latex printers. In some cases, presets have been created for specific substrates and printers and are available to download from the HP Media Locator:

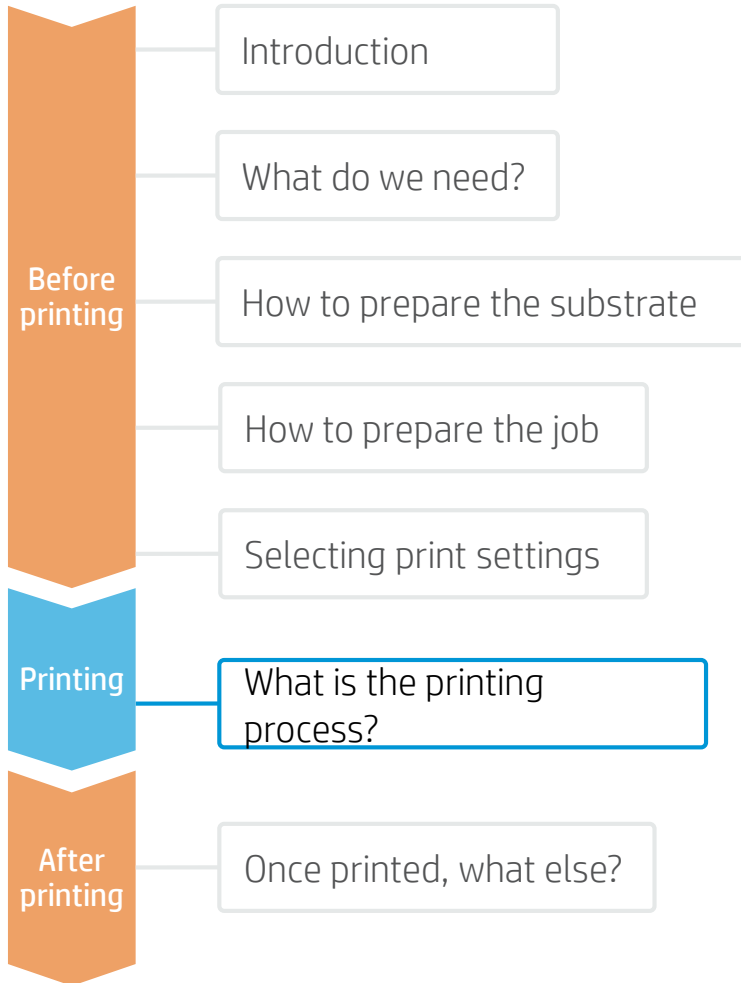
<https://www.printos.com/ml/#/homeMediaLocator>

Find the right profile by filtering for printer and substrate type.

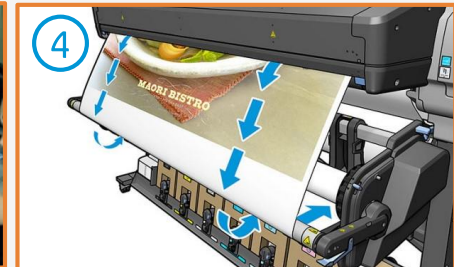
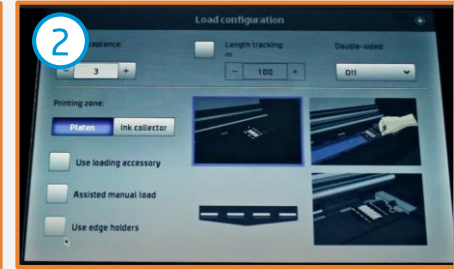
If the substrate you need to print on has a substrate preset available, we recommend downloading, installing, and using it on your printer and RIP. If there is no substrate preset for the specific substrate being used, using the "Generic" preset for your substrate's type (PVC Banner, PET Film, Textile...) may be a good starting point option.

How to produce Roll-up Banners

The printing process

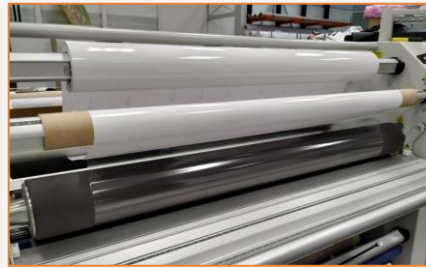
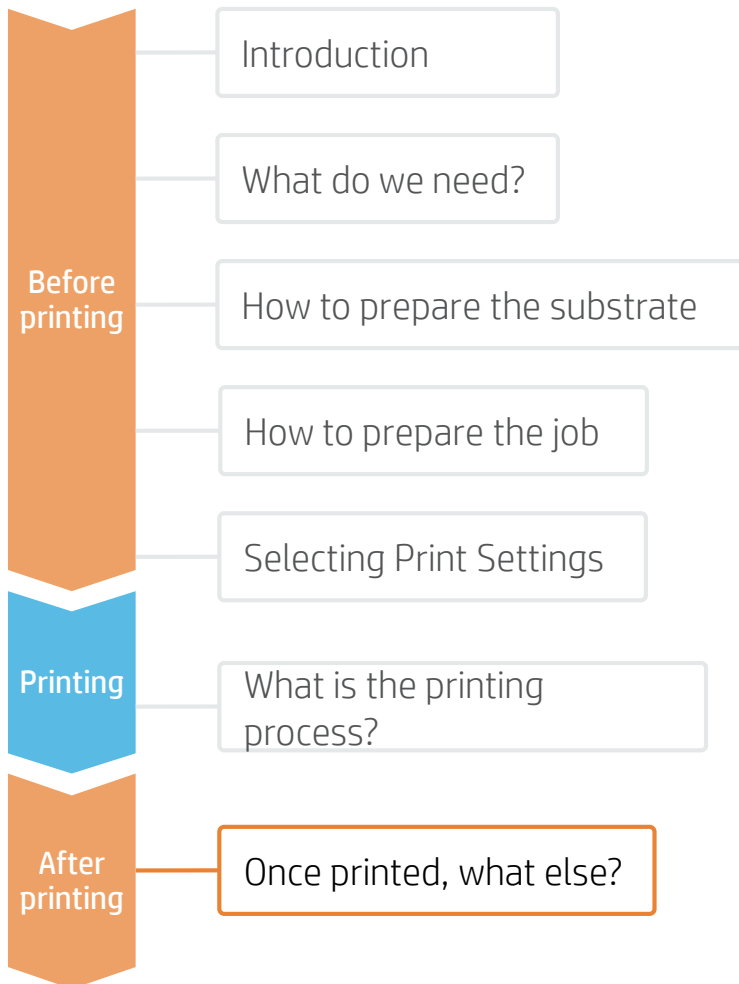


1. Rip the artwork after selecting the corresponding substrate preset. Send the output to the printer's queue (L1500, L3X00, R-series) or directly to the printer (L1X0, L2X0, L3X0, L5x0).
2. Load the substrate on the printer using the specific preset previously selected.
3. Follow the loading process for your printer.
4. Use the take-up reel if needed (L1X0, L2X0, L3X0, L5x0); we recommend using it for large jobs.
5. Consider placing the in-line slitters in order to to cut the media while printing. (L1500, L3X00).
6. Select the ripped job and drag it to the printer's queue (L1500, L3X00, R-series).



How to produce Roll-up Banners


How to prepare the substrate




1. Protect the Prints (Optional)

Apply film or liquid lamination to the prints for extra durability against chemicals and long term use.

Choose the protection that best fits the media used. For example, use a PVC-based transparent film to laminate PVC substrates or a PET-based transparent film to laminate PET substrates.

 **NOTE:** Lamination can be performed right after printing. You do not need to wait.

 **NOTE:** We recommend storing laminated rolls with the laminate facing out.

3. Assemble the Roll-up Sign

Follow your mechanism's instructions to fit the printed sign on it.

Most commonly, the steps involve:


1. Releasing the lower clip.
2. Breaking the tension to manipulate it freely.
3. Attaching the lower end of the print into the lower clip (usually using tape).
4. Attaching the upper end of the print to the top clip.
5. Releasing the brake and rolling the print carefully into the mechanism.



2. Cut the Prints

Use manual tools or an automatic cutter to bring the print to the desired size and shape.

Drill holes and apply grommets (if needed on the support mechanism).

 **NOTE:** To learn more about cutting, consult the following document:

“Good practices to ensure correct cutting accuracy with HP Latex Print and Cut Solution”
<https://hplatexknowledgecenter.com/application/s/good-practices-ensure-correct-cutting-accuracy-hp-latex-print-and-cut-solution>



<https://youtu.be/3AVUE7XuMX0>



How to produce Roll-up Banners



Learn more at:

www.hplatexknowledgecenter.com

You can find templates to use at HP Application Center.

- Open the Roll-ups app at www.hpapplicationscenter.com.
- Select the “**Backgrounds**” tab from the left-hand navigation bar.
- For editable social distancing and general hygienic themed templates, select the “**COVID-19**” folder.
- For illustrations to create your own poster, select the “**Objects**” tab on the left, and choose “**COVID-19**”.

Partnership





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