

# Signature

CREATION

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TECHNICAL SPECIFICATION Ed. 06/2018

 **polyrey**<sup>®</sup>

A WILSONART COMPANY

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- 4 types of products

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- Realise your project: the prototype

## 4 Assembly of files to be printed

- Types of assembly
- Single image: one image, one panel
- Multi images: several images, one panel
- Fresco: one image, several panels

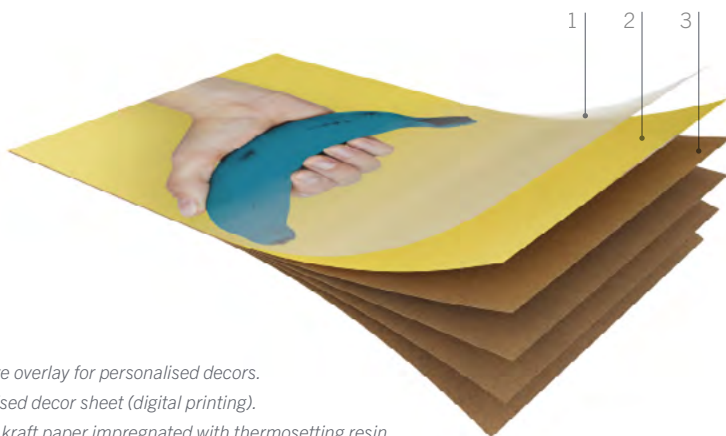
## 5 Creating a fresco

- Assembly advice



# The Signature offering: Products & finishes

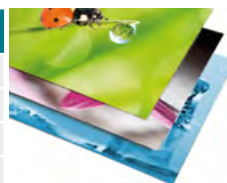
## 4 types of products



- 1/ Protective overlay for personalised decors.
- 2/ Personalised decor sheet (digital printing).
- 3/ Layers of kraft paper impregnated with thermosetting resin.

### POLYREY® HPL Laminate

FORMAT (mm)	FINISH	CORE	GRADE	THICKNESS (mm)
2150 × 970	FA - EXM	Phenolic core	Standard - Fire retardant	0,8
2450 × 1240	FA		Bendable <sup>(1)</sup> - Fire retardant	0,8
3070 × 1240	FA		Bendable <sup>(1)</sup> - Fire retardant	0,8
	BRIHG		Standard - Fire retardant	1
3070 × 1320	FA - EXM - GRA↑ - LEG↑ ALG↑ - ROC↑ - ESA↑ LIM↑ - FUS↑ - SEV↑ - SUR		Bendable <sup>(1)</sup> - Fire retardant	1
	EPM↑ - CUI↑		Standard - Fire retardant	0,8
	BRIHG		Standard - Fire retardant	1



<sup>(1)</sup> Bendable (minimum bending radius of 20 cm, no postforming at 163°C)

### REYSIPUR® HPL Compact

FORMAT (mm)	FINISH	CORE	GRADE	THICKNESS (mm)
2150 × 970	FA	Black phenolic core	Standard - Fire retardant	4 - 6 - 8 - 10 - 12,5
3070 × 1240	FA - BRIHG			
3070 × 1320	ROC↑ - EXM - BRIHG - LIM↑			



### POLYREY® HPL® Bonded Board

FORMAT (mm)	FINISH	SUBSTRATE	GRADE	THICKNESS (mm)
3070 × 1240	FA - EXM - GRA↑ - LEG↑ ALG↑ - ROC↑ - BRIHG EPM↑ - ESA↑ - LIM↑ FUS↑ - SEV↑ - CUI↑ - SUR	Chipboard	Standard Moisture resistant Fire retardant	19,6 (BRIHG : 20)
		Brown MDF	Standard	



## Finishes

FA

EXM

BRIHG

GRA

LEG

ALG

ROC

ESA

LIM

FUS

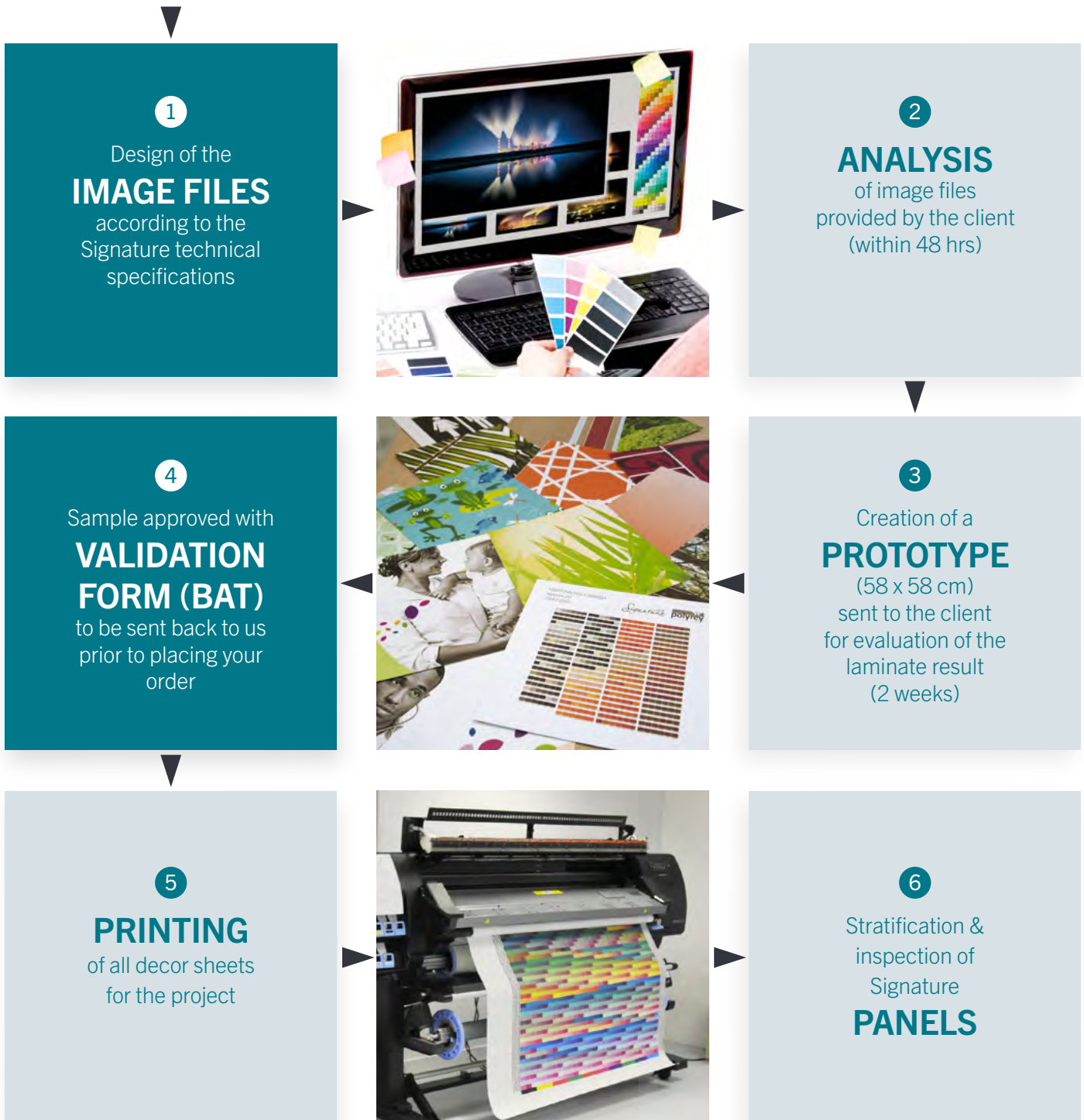
SEV

SUR

EPM

CUI





3.

**Preparation  
of files to  
be printed**

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## Preparation of files to be printed

### Suitable image types

Photo - Pixels



Illustration - Vectors



Composition



#### Source of images

- Photograph library, image bank: select images with a maximum size of 300 dpi.
- From a scan: this must be performed in high definition using a professional scanner.

#### Photographs

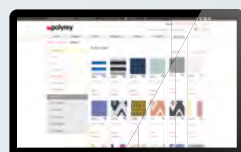
The photo must have been taken using very high quality, uncompressed TIF, or minimum 12MPx, to be printed in large scale.

#### Image use rights

Image use rights must be paid by the client, who is responsible for acquiring the image. The client is responsible for the file and, if necessary, must prove that image use rights have been acquired.



**A helping hand from Polyrey**  
A decor library at your disposal



**Hundreds of creations available in different colours to help you all along your project realization.**

Polyrey sets at your disposal a **ready-to-use decor library** to help you creating your **Signature** project.

You can ask for a **review of the colourimetry** would your require to **adapt a Signature Library decor to your Signature Creation project.**

Alie a Signature Creation project, you'll receive a **prototype to confirm your choice.**

[www.polyrey.com](http://www.polyrey.com)



## Preparation of files to be printed

### Formats for saving the image file

TYPES OF FILES	TYPES OF DATA
.pdf <sup>(2)</sup> , .eps, .ai	Vectors – Adobe Illustrator or Acrobat <sup>(1)</sup>
.tif, .eps, .psd, jpeg*	Pixels – Adobe Photoshop <sup>(1)</sup>

(1): Adobe Creative Cloud (CC) or inferior - (2): printer's PDF, certified PDFX.  
\*JPEG may be tolerated if the image resolution is optimal (300 dpi) and not enlarged.



**NOT ACCEPTED:**

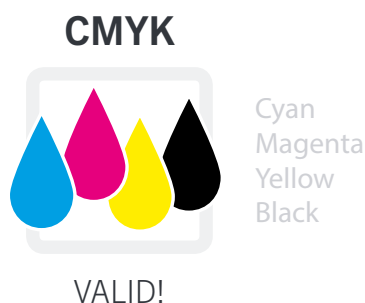
.gif, .bmp, .doc, .ppt, .raw, .png, .dmg

**Types of images:** photographs, illustrations, logos, text, signage, composition...

**Types of files accepted:** .eps, .pdf; .tif, .ai, .psd, jpeg

## Preparation of files to be printed

### Colorimetry



#### Colorimetric target:

If a colorimetric target is requested, this must be provided before the prototype phase.

Colorimetric targets accepted:

1. Pantone colour reference for single-tint areas
2. Image sample produced (sticker, PVC, tarpaulin...)
3. Print on matt paper (inkjet printing)

If necessary, please send sample to the following address, citing the project name:

**Polyrey SAS**

Service Signature  
700 route de Bergerac  
24150 Baneuil



Polyrey makes every effort to match colorimetric targets. Due to the technical constraints of digital printing (inks, materials...) a perfect match with the colorimetric target cannot be guaranteed.

You may define a target for each of the colors used. The prototype must be adjusted on a preferential color though.

**Types of images:** photographs, illustrations, logos, text, signage, composition...

**Types of files accepted:** .eps, .pdf; .tif, .ai, .psd, jpeg

**Image colorimetry:** CMYK ● ● ● ●

## Preparation of files to be printed

### Image scale and resolution

For printing, the minimum tolerated resolution is:

- **300 dpi** for 1:2 or 1:4 scale images  
(images to be enlarged before printing)
- **150 dpi** minimum for images delivered at scale 1:1.  
Beyond these limits, the quality is not sufficient for a satisfactory result.



**GOOD QUALITY & GOOD SCALE**



**NOT ACCEPTED:**  
images not respecting the  
minimum resolution or the  
enlargement rate.



Image with a resolution < 150 dpi



Enlarged > scale 1:4

- Types of images:** photographs, illustrations, logos, text, signage, composition...
- Types of files accepted:** .eps, .pdf; .tif, .ai, .psd, jpeg
- Image colorimetry:** CMYK ● ● ● ●
- Image resolution:** 150 dpi mini. on scale 1:1 or 300 dpi mini. on scale 1:4, 1:2 or 1:1.

## Preparation of files to be printed

### *Naming image files*

Example: « 20170508 \_ MagasinParis \_ 1 . pdf »

1 - 2 - 3 - 4

- 1 - Date /Compulsory
- 2 - Projet name /Compulsory
- 3 - Panel numbering (1, 2, 3 or A, B, C) /Optional
- 4 - Valid file extension (.pdf, .eps, .tif...) /Compulsory



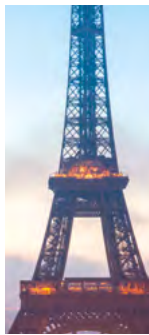
For projects containing a large number of images, these file naming rules will facilitate image identification.

- Types of images:** photographs, illustrations, logos, text, signage, composition...
- Types of files accepted:** .eps, .pdf; .tif, .ai, .psd, jpeg
- Image colorimetry:** CMYK ● ● ● ●
- Image resolution:** 150 dpi mini. on scale 1:1 or 300 dpi mini. on scale 1:4, 1:2 or 1:1.
- Naming image files:** «20170508\_MagasinParis\_1.pdf»

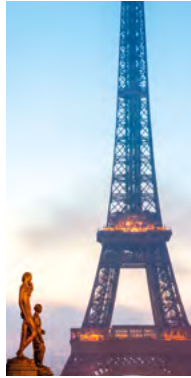
## Preparation of files to be printed

### Sizes of panels and bleed areas

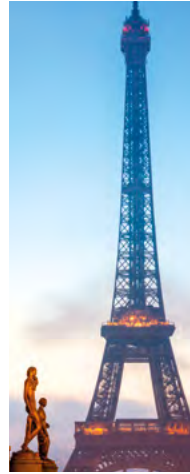
#### Panel sizes



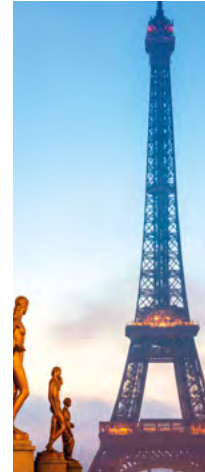
2150 × 970 mm



2450 × 1240 mm



3070 × 1240 mm



3070 × 1320 mm

#### Bleed area

Bleed areas of 20 mm must be allowed for on each side of the panel. The bleed area is a zone of printing which is trimmed off the panel to obtain the final format. Anything located within this zone is not taken into account in the quality inspection, as it is considered as a non-usable zone. You may only use the usable surface of the panel.

Why use a bleed area?

During lamination, the printed image may change in size by a maximum of +/- 0.15% lengthways and +/- 0.4% crosswise compared with the sides of the printing file delivered (conforming to standard EN438). The bleed area ensures an optimal result.

#### Summary

Size of panel (mm)	2150 × 970	2450 × 1240	3070 × 1240	3070 × 1320
Usable printing area* (mm)	2110 × 950	2410 × 1200	3030 × 1200	3030 × 1280

\* usable area with the deduction of 20 mm bleed area. / \*\* except for the 2150 x 970 mm format.

- Types of images:** photographs, illustrations, logos, text, signage, composition...
- Types of files accepted:** .eps, .pdf; .tif, .ai, .psd, jpeg
- Image colorimetry:** CMYK ● ● ● ●
- Image resolution:** 150 dpi mini. on scale 1:1 or 300 dpi mini. on scale 1:4, 1:2 or 1:1.
- Naming image files:** «20170508\_MagasinParis\_1.pdf»
- Panels - 5 formats available:**  
2150 × 970 mm / 2450 × 1240 mm / 3070 × 1240 mm / 3070 × 1320 mm

## Preparation of files to be printed

### *Realise your project: the prototype*

The prototype is a laminate sample of a part of the panel, created prior to ordering. It enables you to visualise the result of your image, printed and laminated in the requested finish. The prototype phase is necessary for a high-quality result.



- The prototype is free in the 58 x 58 cm format. It will be made on a scale of 1:1, from the final, validated files for your project.
- The maximum delivery time for prototypes is 2 weeks following validation of the image files.
- The prototype must be approved in writing, in a Validation form (BAT) signed by the client prior to placing the order. This form is to be returned to Polyrey at: [signature@polyrey.com](mailto:signature@polyrey.com)
- Prototypes are valid for a maximum of 6 months. We keep a copy of each validated prototype.



There are colorimetric limits due to printing and production technology.  
Your project manager will inform you of any specific difficulties with your project.

- Types of images:** photographs, illustrations, logos, text, signage, composition...
- Types of files accepted:** .eps, .pdf; .tif, .ai, .psd, jpeg
- Image colorimetry:** CMYK ● ● ● ●
- Image resolution:** 150 dpi mini. on scale 1:1 or 300 dpi mini. on scale 1:4, 1:2 or 1:1.
- Naming image files:** «20170508\_MagasinParis\_1.pdf»
- Panels - 5 formats available:**  
2150 × 970 mm / 2450 × 1240 mm / 3070 × 1240 mm / 3070 × 1320 mm
- Prototype**

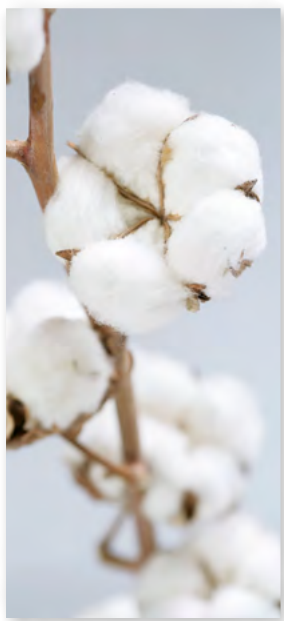
4r.

**Assembly  
of files to  
be printed**

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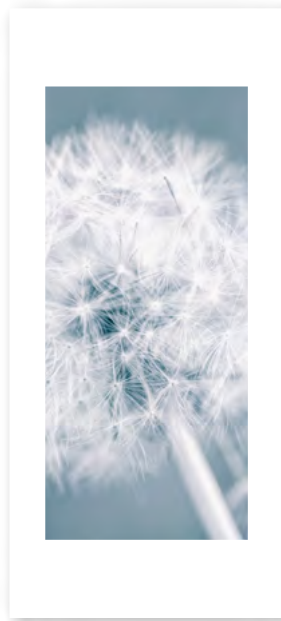
## Types of assembly

①



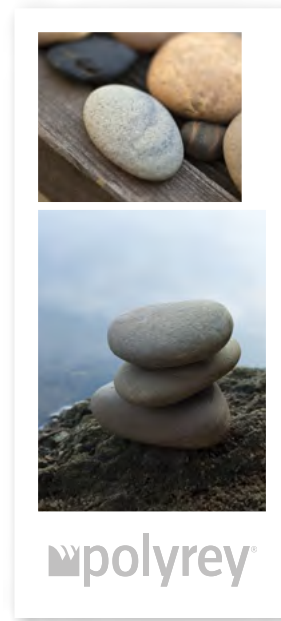
**Single image:**  
full panel

②



**Single image:**  
placed within a panel

③



**Multi images:**  
several images  
on one panel

④

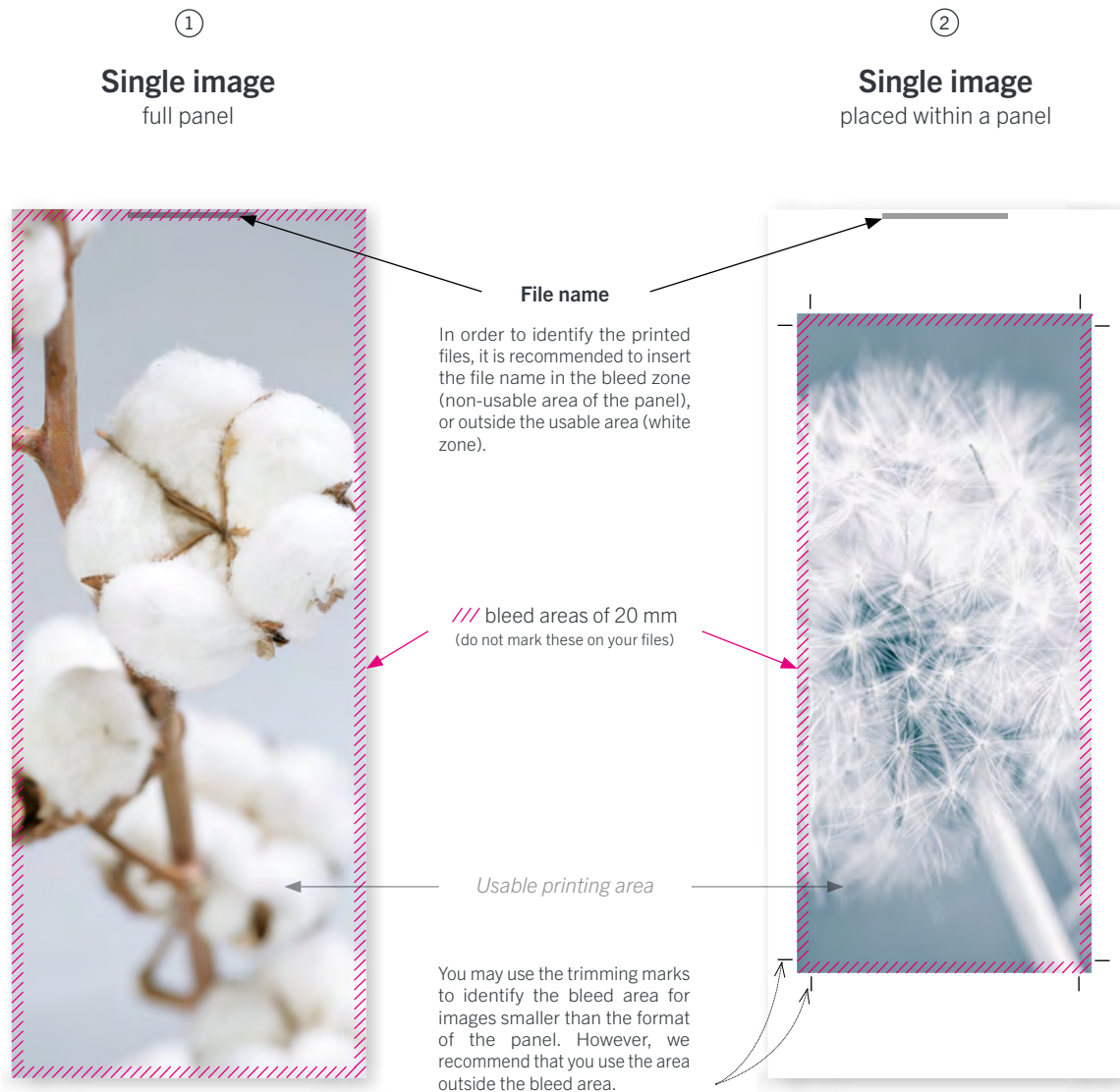


**Fresco:** one image split over several panels



## Assembly of files to be printed

### Single image: one image, one panel

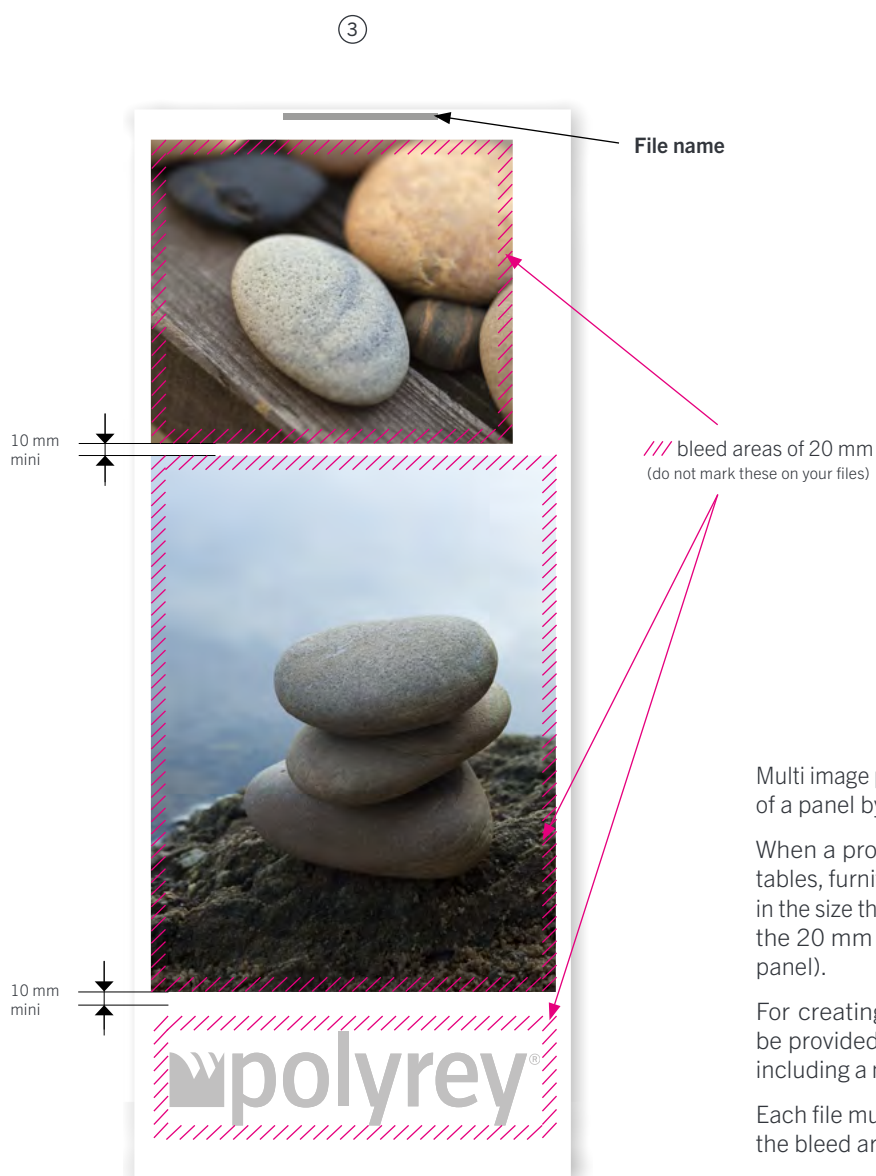


The image must be created in the dimensions of one of our panel formats.

The image was created in a size smaller than one of our panel formats.

## Assembly of files to be printed

### *Multi images: several images, one panel*



Multi image panels enable you to optimise the format of a panel by inserting several image files.

When a project does not require a full panel (eg. tables, furniture...), the image files may be created in the size they are to be used (taking care to include the 20 mm bleed area required for trimming the panel).

For creating a multi-image panel, the files may be provided in sizes adapted to the panel format, including a margin of 10 mm between each image.

Each file must be able to be identified (file name in the bleed area).

## Assembly of files to be printed

### *Fresco: one image split over several panels*



A fresco enables you to create a digital image project on a surface larger than our panel formats. The image may be split over several panels in order to achieve the desired overall size.

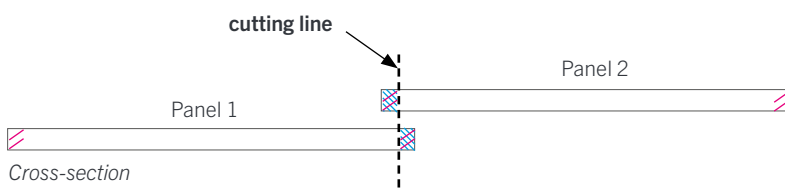
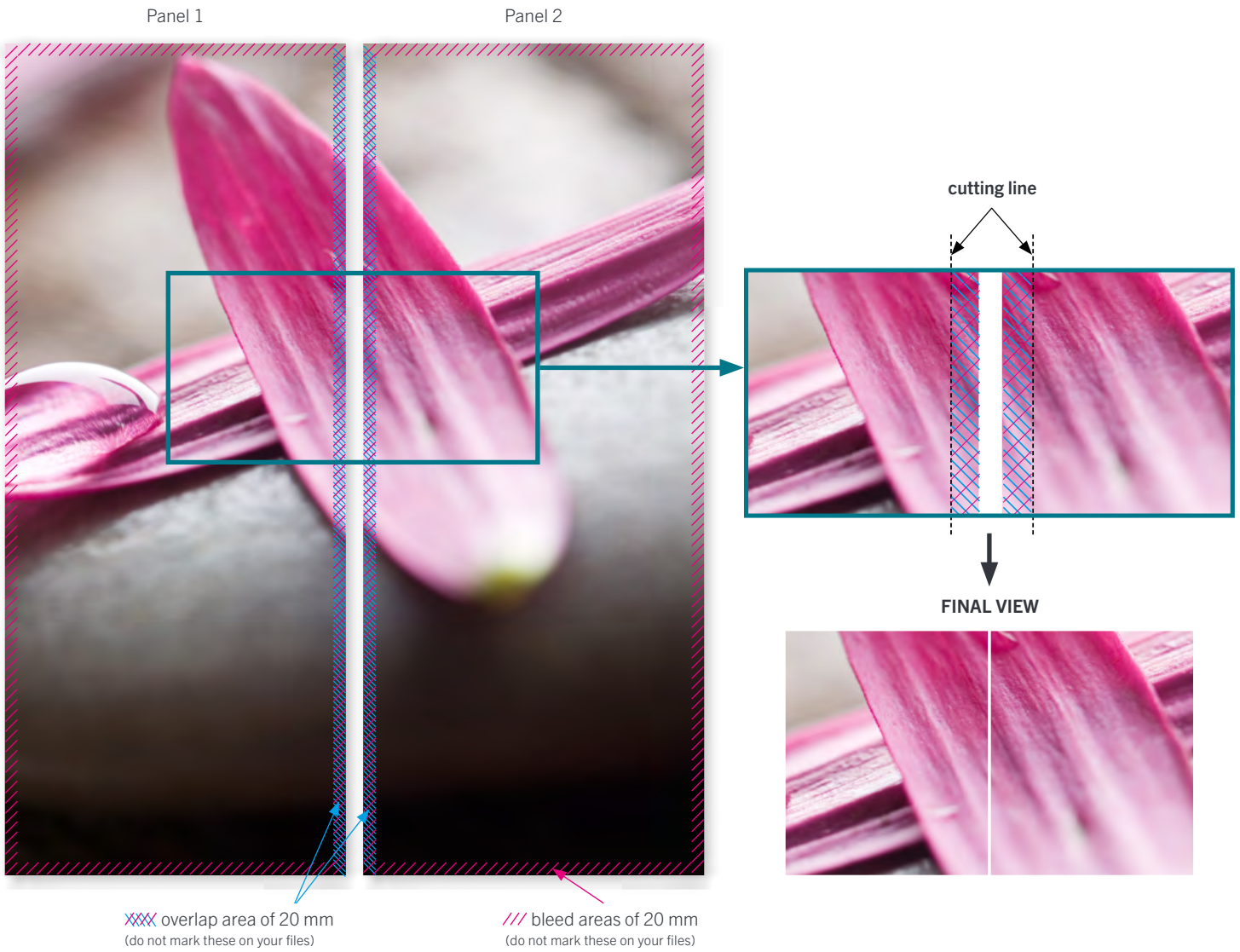
- Cut the image into the number of panels required in the final configuration, taking into account the joins.
- Don't forget the bleed area of 20 mm on all panels!
- At the joins between panels, the bleed area is used as an overlap area, giving a perfect join. See the next page for more details.



Advice: For the project to be clearly understood, you will need to provide the files containing assembly plans with the panels marked.

## Assembly of files to be printed

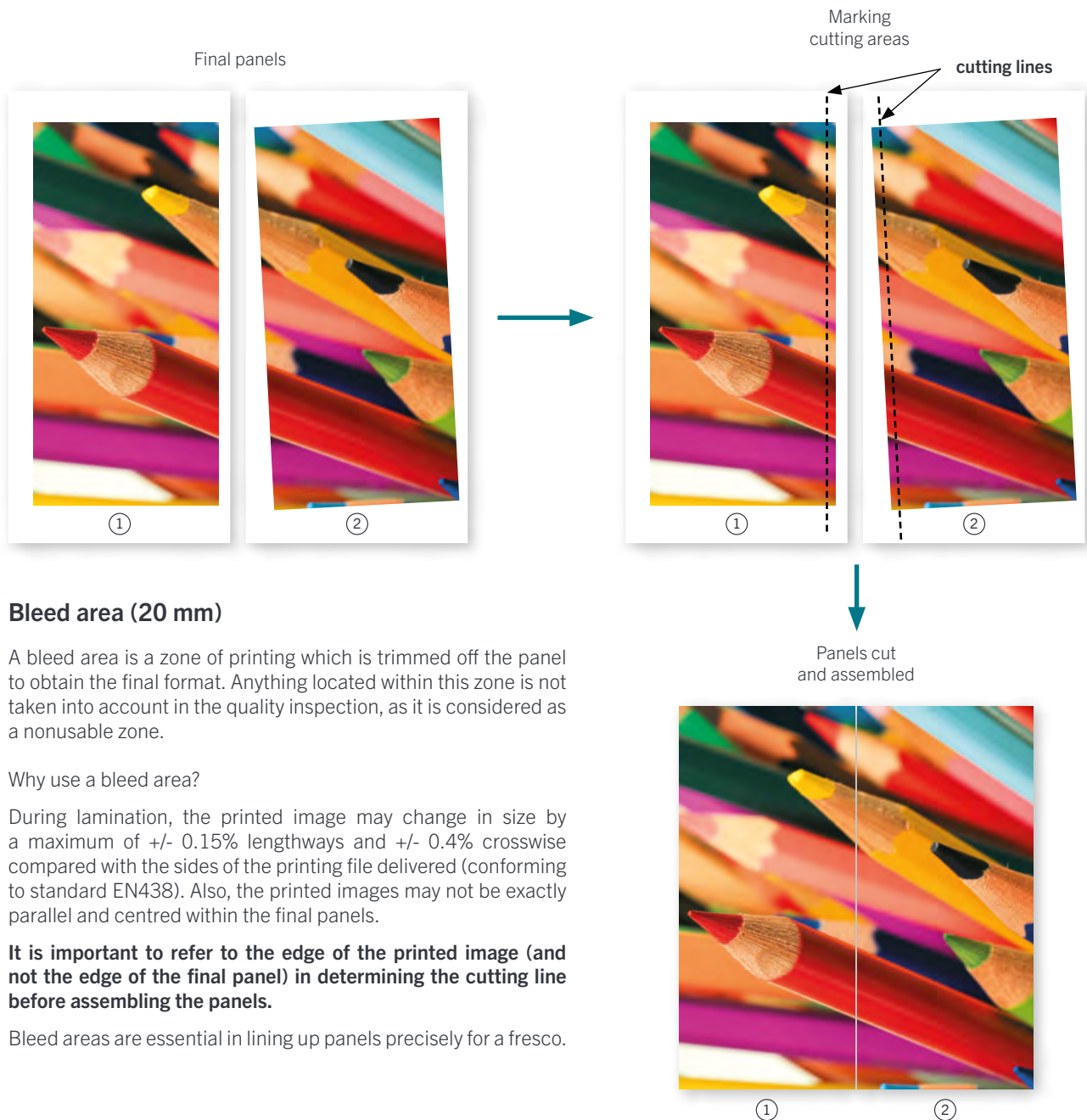
### *Fresco: one image split over several panels*





## Creating a fresco

### Assembly advice



The 20 mm bleed areas must not be trimmed before the cutting zones have been identified and the panels have been aligned with one another.

### Assembly

This assembly applies to all frescoes (murals, tables...):

- 1 - To begin the process, start with the first panel.
- 2 - Identify the cutting zones on the first panel (20 mm bleed area maximum).
- 3 - Cut the first panel.
- 4 - Identify the cutting zones according to the first panel.
- 5 - Repeat for the following panels.

For technical information, please contact our Signature service [signature@polyrey.com](mailto:signature@polyrey.com)



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TECHNICAL SPECIFICATION Éd. 06/2018

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For a sample (A4) within 48hrs, to see the quality of digital laminate:

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Tel.: 05 53 73 56 89

**FR**

Tél. : +33 (0) 5 53 73 56 89  
[polyrey.france@polyrey.com](mailto:polyrey.france@polyrey.com)

**UK**

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[polyrey.uk@polyrey.com](mailto:polyrey.uk@polyrey.com)

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**Export – Other Countries**

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