XXLPIX®

Large format printing for pro photographers

The way for professional photographers to achieve the best results out of their images.

Contents

1. Large format is booming

The German industrial association *Photoindustrie* is thrilled to call large format print "Living Picture". Almost no other product segment is growing as fast as large format print on canvas, aluminum and acrylic glass. The market value of creative photo products came to 179 million euros in 2011, and according to the market research institute IDC, the coming years will expect an average yearly growth of 23.5%. Since consumers have long become familiar with a large range of photographical gifts, the current trend is moving more towards large and high quality photo products.


Market growth "Living Picture"
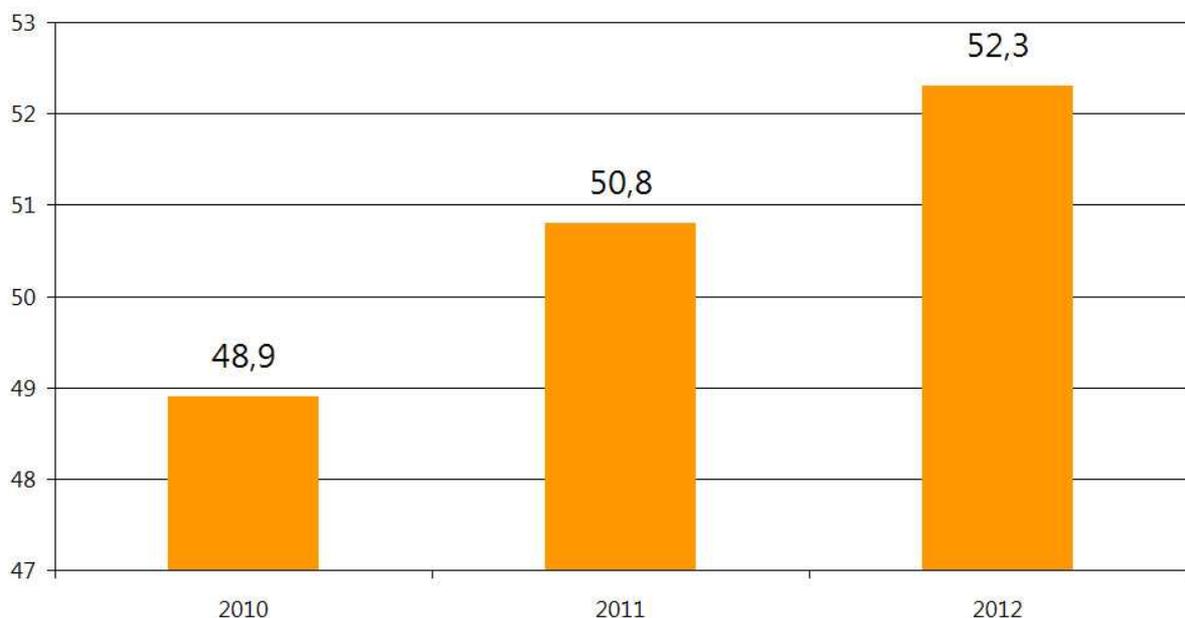
Figure: The market research institute IDC predicts future market growth.

" Come on board and profit from the large format boom! "

Large format print is an especially perfect medium for professional photographers to present and sell their own work, as the high grade quality of the product complements high grade professional photography. Large format products like canvas or acrylic glass preserve the high quality results of a photo shoot in their original state, and increase repurchases and recommendations, which will lead to attractive extra revenues.

Advantages of large format print:

- Your large format photos stand out

- Your customers are enthused

- The repurchase rate will grow noticably

- The rate of recommendations with increase

- You will make attractive revenue

A further advantage: With XXLPIX, printing in large format is really easy. As a photographer, you're used to using high quality image files, which make the perfect results possible. If you stick to some basic rules when ordering, you and your customers will be thrilled with the final results.

2. Tips & Tricks for professional large format printing

Your image motif

Even whilst shooting your subject, you can influence the quality of your large format print. The larger you shoot, and the more you aim to fill your format, the more image information (number of pixels) is available for you to capture. Especially when producing XXL formats over a square meter in size, high resolution is necessary. If you then only reproduce a section of your image, you will lose precious data.
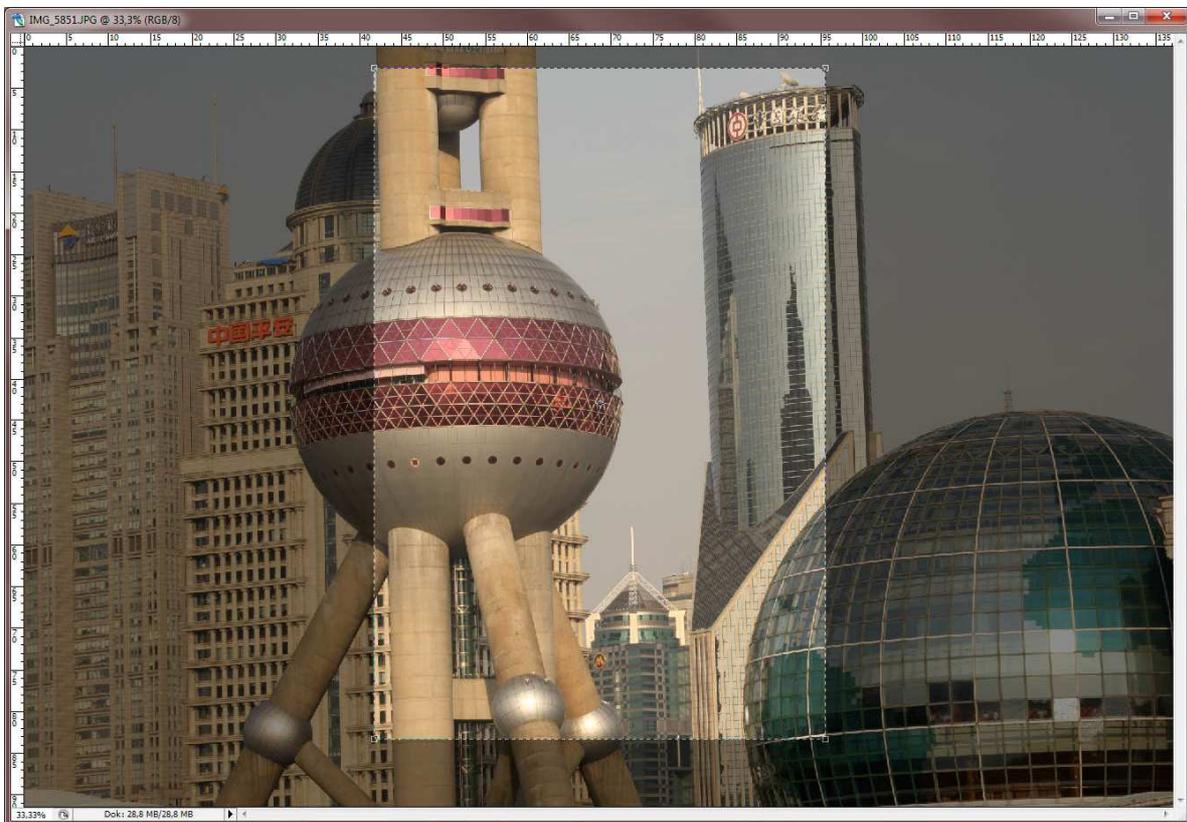

Figure: By cropping the image, 75% of the picture information is lost. If the motif had already been shot in large format, twice the amount of picture information would be available, and a high resolution reproduction would be possible.

Your photo file

The basic rule is, the more picture information available, the more detailed we can print your image. The original picture information you capture is a deciding factor in the process. If you upscale your digital photo file on importing into your photo editing program, you will reduce the quality.

Considering the high resolution common to today's photography, there is usually enough picture information available. The misconception that you need at least 300 dpi print resolution is as widespread as it is incorrect. Depending on the material of the print and the printing process, different resolutions are appropriate.

Resolution of Media in DPI (Dots per Inch)

Media	Minimum Resolution (DPI)	Maximum Resolution (DPI)
Canvas	120	200
Poster	150	300
Forex	150	300
Acrylic glass	150	300
Alu-Dibond	150	300
Prints	300	360

For detailed tables showing necessary and maximum resolution of particular sizes and formats, see documentation on large format products.

File format

Generally speaking, you can give us photo files in any currently used format. However, JPEG has become the standard transfer format for large format printing. Sometimes other formats such as Tiff, Raw or PDF are used, but are less widespread. A JPEG file as a standard format transfers 98% of the original file. Make sure you always select the highest quality possible when saving a JPEG file.

File size by comparison

The same image saved in different file formats and quality can result in very different file sizes:

File format/quality	Megabyte (MB)	Suitability for large format print
TIFF file	28,8 MB	Highly suitable
JPEG (highest quality 12)	4,98 MB	Highly suitable
JPEG (high quality 10)	2,25 MB	Suitable
JPEG (good quality 8)	1,30 MB	Barely suitable
JPEG (mid quality 5)	0,8 MB	Unsuitable
JPEG (low quality 1)	0,4 MB	Unsuitable

Tip: Are you unsure how suitable your photo file is for large format print? Then just send your file to a XXLPIX consultant (b2b@xxlpix.net). They will check the file quality and advise you on achieving the best quality for your file.

Colour space

For the resulting large format print the colour space of the print file isn't important, as the RIP software of the printing machines works both with RGB and CMYK.

EXPERT TIP: For printing black and white photography, it is especially important to transfer the image in greyscale. Only then can you be sure that no unwanted colour information in the RGB profile will be printed.
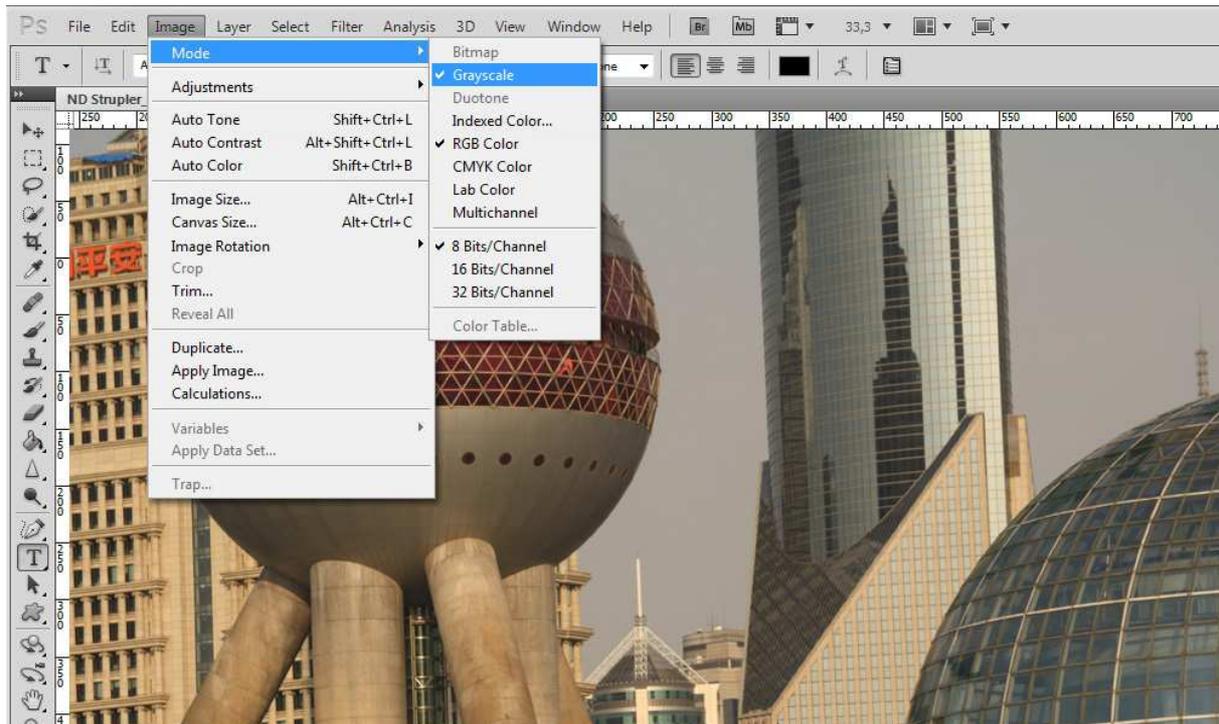
Figure: Converting to greyscale allows for a pure black & white print

Colour profile

By using colour management tools you can transfer extra colour information. However, colour management systems never match colours truly 100%. For that reason we recommend, when necessary, printing a true colour proof. This service assures you, for example, that CI colours are reproduced correctly. Furthermore, we offer you the possibility to be present whilst printing your order in Berlin. That way you can personally experience how your photo print is made and influence the results according to your wishes.

The following colour profiles are supported as standard:
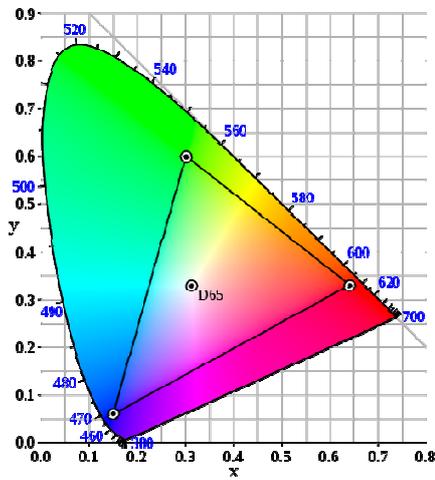
S-RGB-Colour space
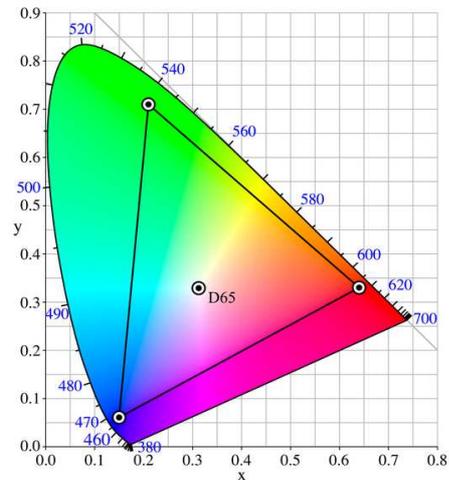
Adobe RGB-Colour space

You can find further colour profiles as direct downloads from our product pages.

Image formats

On ordering, your image format will automatically be recognised and displayed. There is a variance of 0.9% from the ideal format. Within this variance the system can designate a format to your image file. To avoid image distortion, even when the chances are so small, you should always save your file 100% according to the format. A 6000 x 4500 pixel photo file has for example the exact aspect ratio 4:3 and can therefore be optimally printed in sizes such as 60 x 45 cm or 120 x 90 cm. If the aspect ratio is different from the defined standard forms, the system will inform you of possible improvements, or a consultant will contact you.

Classic image formats, automatically recognized as standard formats:

Format	Aspect ratio (MB)
Classic format	3:2
Digital format	4:3
Portrait format	5:4
Landscape format	1:1
Panoramic format	2:1 or 3:1

Transferring image files

Image files can be transferred in different ways. Depending on if you want to transfer a large image file, or multiple files, there are different transfer methods available:

Online

Photographers registered as business clients with XXLPIX can transfer their photos to the business clients department. There you have the option to upload your images and to save those which you frequently reorder. Ordering then only takes a few seconds.
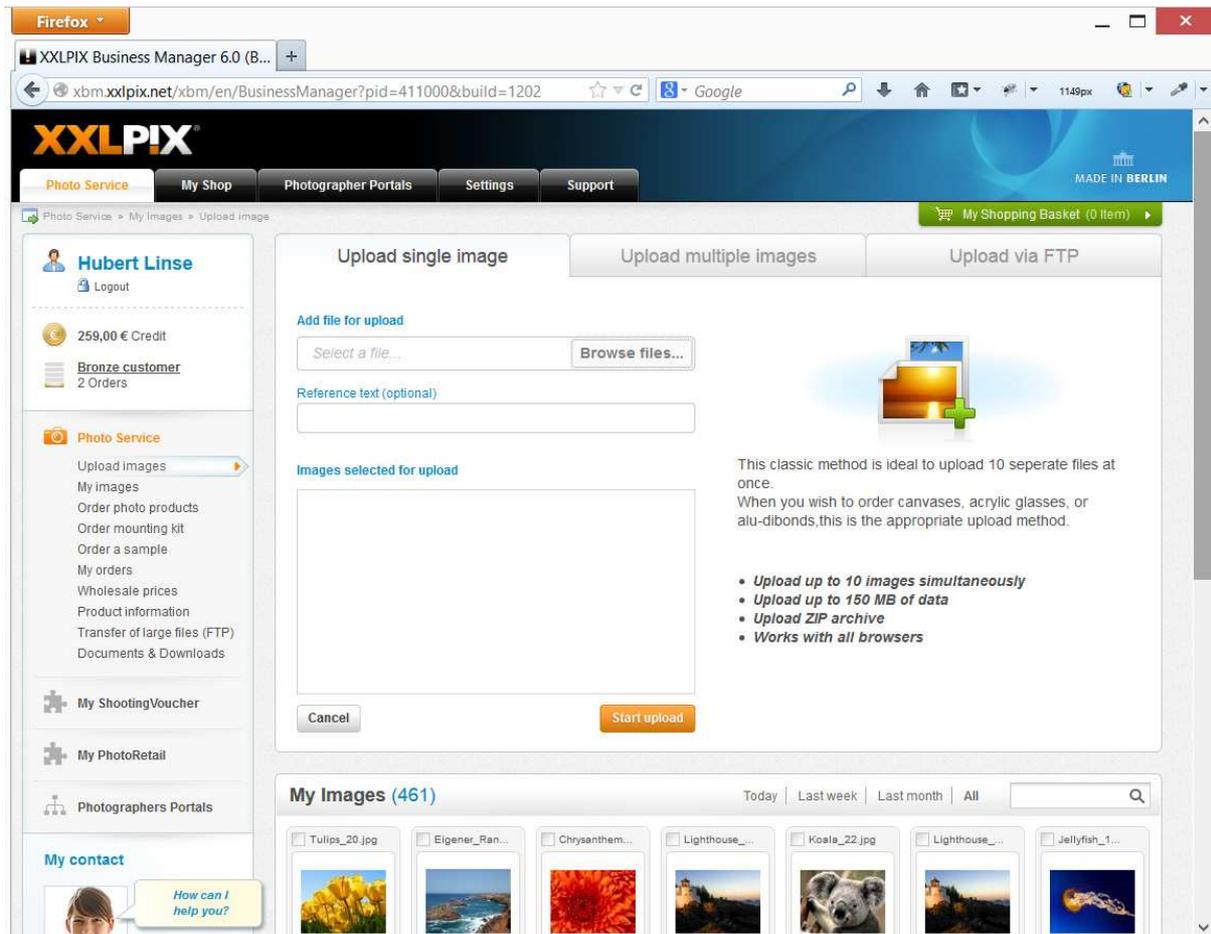
Figure: 10 images can easily be sent as a standard transfer.

FTP (File Transfer Protocol)

The FTP server gives you the possibility of saving your image files directly to our server. This file transfer method is secure and fast, though it does require an extra FTP program and certain knowledge of the internet.

Hints on mass uploading (with FTP)

- Save your image files in their own folder

- Rename your folder with your customer ID number/name

- Let us know by mail, what you would like to do with the files (see instructions)

- After receiving your email we save your transferred images

- We delete the folder from the mass upload (FTP) and process the order

Wetransfer.com

The file transfer service www.wetransfer.com is a very easy way to transfer large files without registering. Upload a file, enter sender and recipient email addresses, then transfer. Simply send your files to service@xxlpix.net and they will directly reach our consultants.
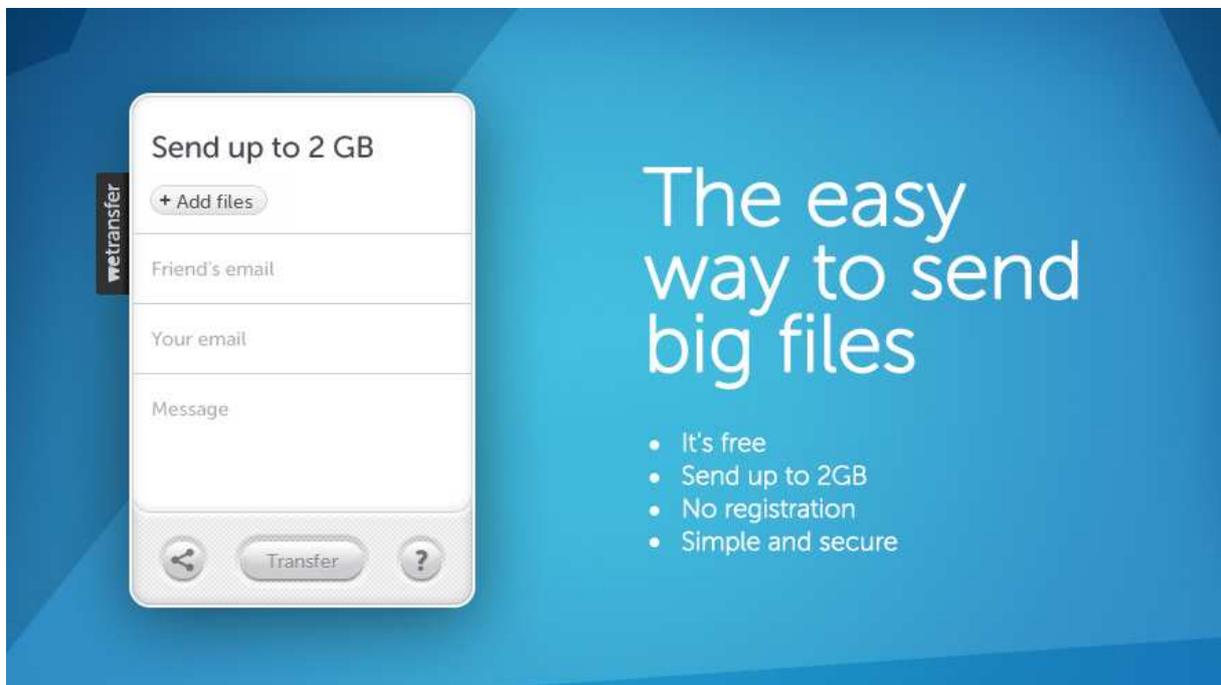
3. Forex

Forex is a hard foam sheet which has long been used for large format photography. With its glossy surface, Forex prints well as a stable and easy medium. Because the quality of the material isn't very valuable, Forex is used primarily for communication and at trade fairs (passive use), rather than for the reproduction of high grade photography (active use).

Material properties

⊕ Plus	⊖ Minus
Highly suitable for printing	Cheap material quality
Dimensionally stable	Fragile
Light	Limited durability
Relatively cost effective	

Over 100 available sizes

Forex is available in over 100 sizes and formats. The minimum format is 30 x 30 cm and can be produced in any required dimension within 6 working days. Every format can be delivered!

Standard sizes (available with our 24 hour service)

Square 1:1		Digital format 4:3		Classic format 3:2	
60 cm	60 cm	80 cm	60 cm	45 cm	30 cm
80 cm	80 cm	60 cm	45 cm	60 cm	40 cm
100 cm	100 cm	100 cm	75 cm	90 cm	60 cm
120 cm	120 cm	120 cm	90 cm	120 cm	80 cm

Portrait format 5:4		Panoramic format 2:1		Panoramic format 3:1	
75 cm	60 cm	80 cm	40 cm	60 cm	20 cm
100 cm	80 cm	120 cm	60 cm	120 cm	40 cm
		150 cm	75 cm	150 cm	50 cm

Maximum Production format with Forex: 250 x 125 cm

Product variations

Forex is available in many different variations. The most common variations are 3 mm and 6 mm Forex, which we offer as standards at an especially low price. Every further variation is available on request. (service@xxlpix.net)

File requirements

		Pixels at 150 DPI		Pixels at 300 DPI	
		Length	Width	Length	Width
Square 1:1					
60 cm	60 cm	3500	3500	7100	7100
80 cm	80 cm	4700	4700	9400	9400
100 cm	100 cm	5900	5900	11800	11800
120 cm	120 cm	7100	7100	14200	14200
Digital format 4:3					
80 cm	60 cm	4700	3500	9400	7100
100 cm	75 cm	5900	4400	11800	8900
120 cm	90 cm	7100	5300	14200	10600
Classic format 3:2					
60 cm	40 cm	3500	2400	7100	4700
90 cm	60 cm	5300	3500	10600	7100
120 cm	80 cm	7100	4700	14200	9400
Portrait format 5:4					
75 cm	60 cm	4400	3500	8900	7100
100 cm	80 cm	5900	4700	11800	9400
Panoramic format 2:1					
80 cm	40 cm	4700	2400	9400	4700
120 cm	60 cm	7100	3500	14200	7100
150 cm	75 cm	8900	4400	17700	8900
Panoramic format 3:1					
60 cm	20 cm	3500	1200	7100	2400
120 cm	40 cm	7100	2400	14200	4700
150 cm	50 cm	8900	3000	17700	5900

Production process

Forex can be processed in different ways. The Forex sheet is either laminated with another material such as poster or photo paper, or is directly printed onto. Direct print is the most robust method, as the image cannot wear off, which is possible with the laminated version. However, the laminated photo paper method produces the highest image quality.

4. Alu-Dibond

Alu-Dibond is a high grade, modern material. Photographers praise its print quality, robust nature and worth in aluminum as a reproduction medium. This high grade material has been popularly used in the past for openings and exhibitions.

Technichal Details

- Aluminium sheet 0,3 mm double-sided

- Polyethylene binding core

- Material thickness: 3 mm in total

- Weight: 3.8 kg/m2

- Print format max: 2500 x 1250 mm

- Fire performance class DIN 4102-2: B2

- Styles: pure white/semigloss and metallic/brushed

Material properties

➕ Plus	➖ Minus
Optimal print properties	Large file capacity
Weatherproof	"Metallic" style requires heightened brightness
Non-deforming, very dimensionally stable	
High grade material quality	

Over 100 available sizes

Alu-Dibond is available in over 100 sizes and formats. The maximum format is 250 x 125 cm and can be produced in any required dimension within 6 working days. Every format can be delivered!

Standard sizes (available with our 24h service):

Square 1:1	
60 cm	60 cm
80 cm	80 cm
100 cm	100 cm
120 cm	120 cm

Digital format 4:3	
80 cm	60 cm
60 cm	45 cm
100 cm	75 cm
120 cm	90 cm

Classic format 3:2	
45 cm	30 cm
60 cm	40 cm
90 cm	60 cm
120 cm	80 cm

Portrait format 5:4	
75 cm	60 cm
100 cm	80 cm

Panoramic format 2:1	
80 cm	40 cm
120 cm	60 cm
150 cm	75 cm

Panoramic format 3:1	
60 cm	20 cm
120 cm	40 cm
150 cm	50 cm

Maximum production format with Alu-Dibond: 250 x 125 cm

Product variations

Alu-Dibond is available in two styles. The most exact colour reproduction is achieved with the style pure white/semigloss. The metallic/brushed style offers an unusual surface and material structure, which can be used for highly artistic results. Both variations come as standard in 3 mm.

Standard variations:

- 3 mm pure white/semigloss

- 3 mm metallic/brushed

File requirements

The minimum resolution for Alu-Dibond is 150 DPI, the optimal resolution 300 DPI.

		Pixels at 150 DPI		Pixels at 300 DPI	
		Length	Width	Length	Width
Square 1:1					
60 cm	60 cm	3500	3500	7100	7100
80 cm	80 cm	4700	4700	9400	9400
100 cm	100 cm	5900	5900	11800	11800
120 cm	120 cm	7100	7100	14200	14200
Digital format 4:3					
80 cm	60 cm	4700	3500	9400	7100
100 cm	75 cm	5900	4400	11800	8900
120 cm	90 cm	7100	5300	14200	10600
Classic format 3:2					
60 cm	40 cm	3500	2400	7100	4700
90 cm	60 cm	5300	3500	10600	7100
120 cm	80 cm	7100	4700	14200	9400
Portrait format 5:4					
75 cm	60 cm	4400	3500	8900	7100
100 cm	80 cm	5900	4700	11800	9400
Panoramic format 2:1					
80 cm	40 cm	4700	2400	9400	4700
120 cm	60 cm	7100	3500	14200	7100
150 cm	75 cm	8900	4400	17700	8900
Panoramic format 3:1					
60 cm	20 cm	3500	1200	7100	2400
120 cm	40 cm	7100	2400	14200	4700
150 cm	50 cm	8900	3000	17700	5900

Production process

There are two main processes possible for printing photos on Alu-Dibond: direct print and laminated with another material e.g. poster or photo paper. Because Alu-Dibond features a high grade flat surface, the material can be printed in high resolution. The quality of direct prints are currently so high, that they can easily compete with laminates.

Large format prints produced on brushed Alu-Dibond can only be directly printed. If laminated, the metallic surface would lose its unique structure.

PROFESSIONAL TIP: By printing on brushed aluminum the image becomes darker because of the metallic aluminum surface. You can balance this by increasing your image's brightness in Photoshop by 10 degrees before transferring.
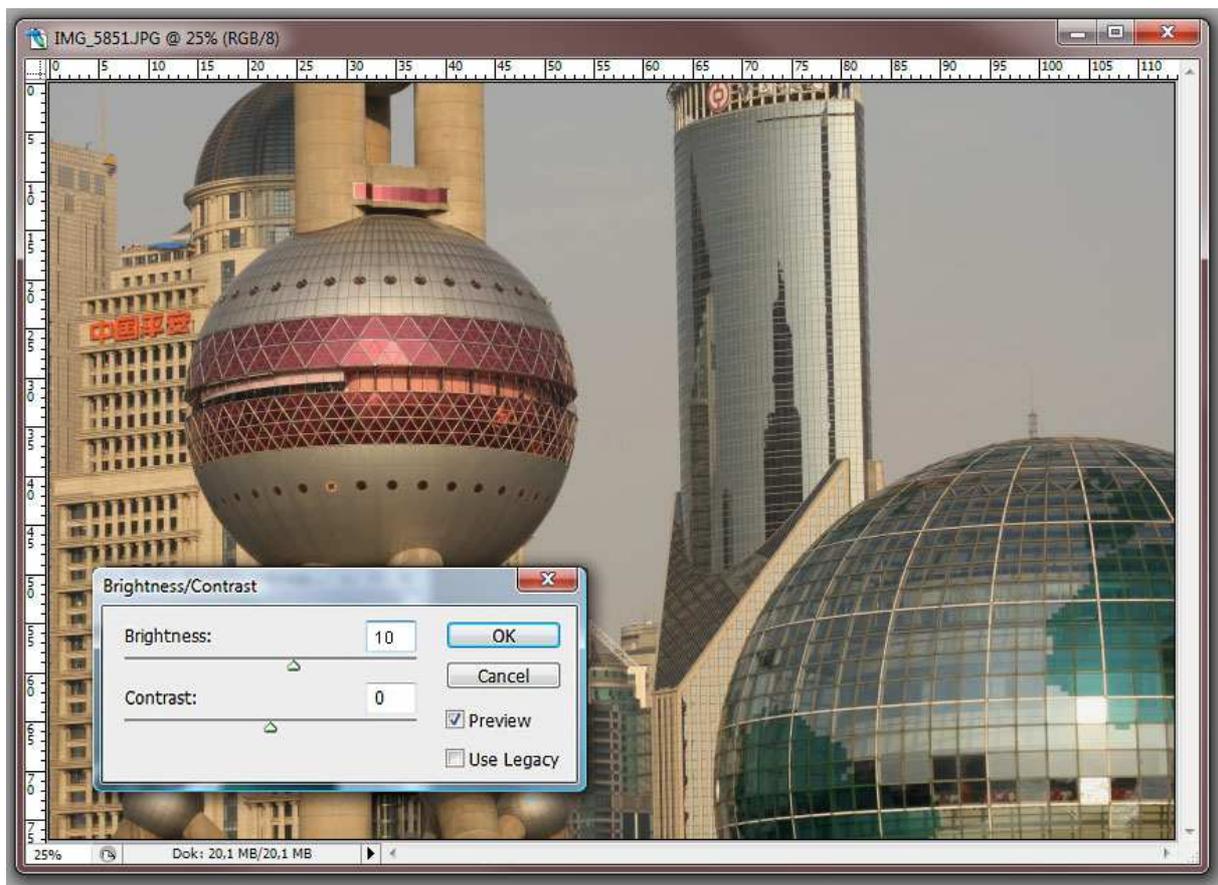

Figure: Even a small brightness correction significanly improves the resulting print on brushed aluminium.

5. Canvas

Canvas print is not only one of the oldest large format variations, it is also currently the most popular. Photos on canvas don't just impress with their large format, but also with their delicate material and stretcher frame. It's a chance for customers to own a finished, high quality photo product, which they would otherwise be familiar with only from museums and galleries. Photographers can combine the high value of their photography with this effect and further strengthen its impact in a lasting way.

Material properties

⊕ Plus	⊖ Minus
Highly individual surface	Printed truth-to-detail only satisfactory
Brillant colour properties	Not weatherproof
Eco-friendly natural product	
Complete artwork, ready to hang	

Technichal Details for photo canvas

- Cotton fabric 360 g/m2

- Non-deforming real wood stretcher frame

- Wood profile width: 42 mm

- Frames: Standard: 20 mm, Gallery: 40 mm

- Light resistance: 200 Years

- Fire protection class: B2

Available sizes

The available sizes are limited by size rather than by the printing technique, which is why we deliver up to 300 x 140 cm as standard. The available sizes stated here represent only a

selection of possible formats. Every format is available according to your individual specifications on request.

Over 100 available sizes

Canvas on stretcher frame is available in over 100 sizes and formats. The maximum format is 300 x 140 cm and can be produced within 4 working days in any dimensions, in centimeter steps if required. Almost every format is available!

Standard sizes (available with our 24h service)

Square 1:1		Digital format 4:3		Classic format 3:2	
30 cm	30 cm	40 cm	30 cm	45 cm	30 cm
40 cm	40 cm	60 cm	45 cm	60 cm	40 cm
45 cm	45 cm	80 cm	60 cm	75 cm	50 cm
50 cm	50 cm	100 cm	75 cm	90 cm	60 cm
60 cm	60 cm	120 cm	90 cm	120 cm	80 cm
70 cm	70 cm	160 cm	120 cm	150 cm	100 cm
75 cm	75 cm	200 cm	150 cm	180 cm	120 cm
80 cm	80 cm			210 cm	140 cm
90 cm	90 cm				
100 cm	100 cm				
110 cm	110 cm				
120 cm	120 cm				
130 cm	130 cm				
140 cm	140 cm				

Portrait format 5:4		Panoramic format 2:1		Panoramic format 3:1	
50 cm	40 cm	40 cm	20 cm	60 cm	20 cm
75 cm	60 cm	60 cm	35 cm	90 cm	30 cm
100 cm	80 cm	80 cm	40 cm	120 cm	40 cm
150 cm	120 cm	90 cm	45 cm	150 cm	50 cm
		100 cm	50 cm	180 cm	60 cm
		120 cm	60 cm	210 cm	70 cm
		140 cm	70 cm	240 cm	80 cm
		150 cm	75 cm		
		160 cm	80 cm		
		180 cm	90 cm		
		200 cm	100 cm		

Maximum production format with canvas: 300 x 140 cm

Product variations

Generally speaking, the photo canvas of today is available in 2 stretcher frame sizes. The 2 cm stretcher frame is the standard and makes up 85 % of photo canvases produced. The higher priced 4 cm stretcher frame is called a "Gallery frame". As a rule, the bigger the canvas, the better the gallery frame looks, due to its thicker edges. In sizes upwards of 100 x 100 cm the gallery frame is highly recommended.

Standard styles:

- 2 cm wood stretcher frame

- 4 cm wood stretcher frame

Standard stretcher frame 2 cm
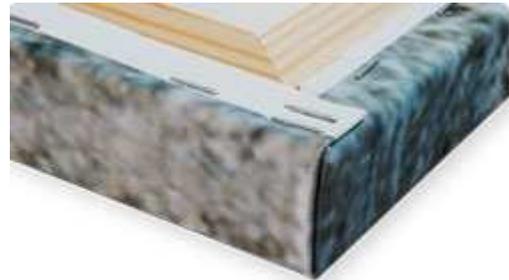
Gallery stretcher frame 4 cm

Photo canvas border/frame

Photo canvas has a special quality compared to other photo products: it comes with its own frame. Photo canvas is then especially attractive, when the motif goes past the border, making it into a three-dimensional piece of art. Picture information from the front side bleeds onto the border and the smaller the image and the thicker the frame, the more picture information will end up on the frame.

If the picture motif is finished without leaving out any picture information, you could choose to have the border printed in black or white. If you mirror the border areas then make sure that it doesn't contradict your motif. If a hand suddenly has 7 fingers because of a mirrored border, it doesn't make a professional impression.

display detail (visible)
border detail
(not visible)
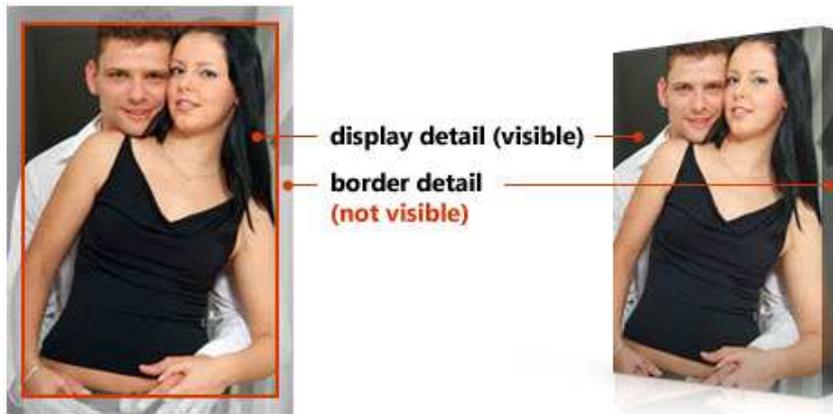
Figure: A part of the picture motif is used for the border

EXPERT TIP: Save your image file in the correct print format. That way you can check the layout of your motif and preview the resulting print before ordering.

That means you should always allow for an extra one centimetre of frame than the frame thickness itself. So for a 2 cm standard frame you should make the border of your image file 3 cm. In the same way for a 4 cm gallery frame, you should make a 5 cm border.

	Standard frame	Gallery frame
Frame thickness	2 cm	4 cm
Border allowance	3 cm	5 cm

File requirements

The file requirements for canvas are lower than for other photo products, due to its unique surface structure. The glossier a surface is, the more picture detail is processed by the human eye. Photo canvas impresses with its high value build, not with glossiness. The file requirements are therefore accordingly low.

		Pixels at 120 DPI		Pixels at 200 DPI	
		Length	Width	Length	Width
Square 1:1					
60 cm	60 cm	2800	2800	4700	4700
80 cm	80 cm	3800	3800	6300	6300
100 cm	100 cm	4700	4700	7900	7900
120 cm	120 cm	5700	5700	9400	9400
Digital format 4:3					
80 cm	60 cm	3800	2800	6300	4700
100 cm	75 cm	4700	3500	7900	5900
120 cm	90 cm	5700	4300	9400	7100
Classic format 3:2					
60 cm	40 cm	2800	1900	4700	3100
90 cm	60 cm	4300	2800	7100	4700
120 cm	80 cm	5700	3800	9400	6300
Portrait format 5:4					
75 cm	60 cm	3500	2800	5900	4700
100 cm	80 cm	4700	3800	7900	6300
Panoramic format 2:1					
80 cm	40 cm	3800	1900	6300	3100
120 cm	60 cm	5700	2800	9400	4700
150 cm	75 cm	7100	3500	11800	5900
Panoramic format 3:1					
60 cm	20 cm	2800	900	4700	1600
120 cm	40 cm	5700	1900	9400	3100
150 cm	50 cm	7100	2400	11800	3900

Production process

Photo canvas is printed directly on to canvas rolls. After a short drying time, the image is stretched onto a wooden stretcher frame with the use of special tools. Depending on the image size, different braces are built.

Frame size	Frame brace
Up to 80 x 60 cm	No brace
From 90 x 60 cm	Horizontal brace
From 100 x 100 cm	Cross brace
From 180 x 120 cm	Double cross brace

6. Acrylic glass

Acrylic glass advanced as a trend among print media in the last few years, because photos on acrylic glass have the same high grade surface quality as modern, stylish lifestyle accessories such as tablet computers, smartphones and laptops. From current interior design and modern shop design to the realisation of exhibitions: a print behind acrylic glass always looks impressive and valuable.

Material properties

⊕ Plus	⊖ Minus
Weatherproof	High file requirements
Highly transparent/absolutely colour-free	3 mm thickness: not warp resistant
Unbreakable	8 mm large format: heavy weight
Suitable for back lighting	

Technical details

- Density 1,18 kg/dm3

- Light transmittance 92 %

- Maximum format 2500 mm x 1250 mm

- Material thickness 3 mm, 8 mm

- Fire protection class DIN 4102-2 B

- Maximum standard format: 2100 mm x 1400 mm

- Minimum standard format: 200 mm x 200 mm

Over 100 available sizes

Acrylic glass is available in over 100 sizes and formats. The maximum format is 250 x 125 cm and can be produced within 6 working days in any dimensions required. Almost every format is available!

Standard sizes (available with our 24h service)

Square 1:1	
60 cm	60 cm
80 cm	80 cm
100 cm	100 cm
120 cm	120 cm

Digital format 4:3	
80 cm	60 cm
60 cm	45 cm
100 cm	75 cm
120 cm	90 cm

Classic format 3:2	
45 cm	30 cm
60 cm	40 cm
90 cm	60 cm
120 cm	80 cm

Portrait format 5:4	
75 cm	60 cm
100 cm	80 cm

Panoramic format 2:1	
80 cm	40 cm
120 cm	60 cm
150 cm	75 cm

Panoramic format 3:1	
60 cm	20 cm
120 cm	40 cm
150 cm	50 cm

Maximum production format with Acrylic glass: 250 x 125 cm

Product variations

Photo prints on acrylic glass are available in two thicknesses. The 3 mm style is substantially cheaper than the 8 mm style. The 3 mm style does produce the desired high gloss finish, but is hard to hang in sizes upwards of 60 x 80 cm. The 8 mm variety is a more stable end product and comes as standard with diamond-polished edges, which makes the 8 mm variety a first-class complete artwork that looks highly impressive when mounted.

Standard styles:

- 3 mm Acrylic glass

- 8 mm Acrylic glass, diamond-polished edges

File requirements

Minimal resolution for Acrylic glass is 150 DPI, optimal resolution is 300 DPI. The resulting image resolutions are as follows:

How many pixels do you need for your large format print:

		Pixels at 150 DPI		Pixels at 300 DPI	
		Length	**Width**	**Lenth**	**Width**
Square 1:1					
60 cm	60 cm	3500	3500	7100	7100
80 cm	80 cm	4700	4700	9400	9400
100 cm	100 cm	5900	5900	11800	11800
120 cm	120 cm	7100	7100	14200	14200
Digital format 4:3					
80 cm	60 cm	4700	3500	9400	7100
100 cm	75 cm	5900	4400	11800	8900
120 cm	90 cm	7100	5300	14200	10600
Classic format 3:2					
60 cm	40 cm	3500	2400	7100	4700
90 cm	60 cm	5300	3500	10600	7100
120 cm	80 cm	7100	4700	14200	9400
Portrait format 5:4					
75 cm	60 cm	4400	3500	8900	7100
100 cm	80 cm	5900	4700	11800	9400
Panoramic format 2:1					
80 cm	40 cm	4700	2400	9400	4700
120 cm	60 cm	7100	3500	14200	7100
150 cm	75 cm	8900	4400	17700	8900
Panoramic format 3:1					
60 cm	20 cm	3500	1200	7100	2400
120 cm	40 cm	7100	2400	14200	4700
150 cm	50 cm	8900	3000	17700	5900

Production process

For acrylic glass there are also 2 widely recognised production processes. With lamination, a second material (e.g. poster or photo paper) is fixed to the backside of the acrylic glass. Whith direct printing, the backside of the acrylic glass gets directly printed with the 5C process. What's unique with this process is that white is used as an extra print colour, because the material itself is transparent. If you leave out the white you can achieve interesting, half-transparent picture effects.

Mounting

Mounting acrylic glass is not so easy. Photos on acrylic glass are impressive because of their transparent surface. This impression is most present when the surface isn't affected by the way the image is mounted. For this reason there is an option to mount the backside directly

to a wall with adhesive bonds, which gives it a free-floating impression. However, these adhesive bonds have limited load capacity.

Mounting methods in comparison

Name	Type	Load capacity in Kg
Steel	Drilled	unlimited
Ghost	Free-floating	ca. 1 kg
Couple	Free-floating	ca. 6 kg
Aluprofil	Free-floating	unlimited

7. Premium Composite

The trend is moving quite clearly towards high grade print media. The use of binding material makes a great combination of high value photography and print media. It is instantly recognisable to customers as valuable, which they gladly pay for. This process is chosen for highly valuable photographic artworks by German artists Thomas Ruff, Andreas Gurski, Thomas Struth and Elgar Esser. They are produced as composite products, and are among the worlds most expensive and sought-after photographic artworks.

Material properties

⊕ Plus	⊖ Minus
Modern, high gloss surface	Expensive
Brillant Colour properties	Heavy weight
Highly unbreakable and long-lasting	5-8 Day Production time
Large format exposure	
Extremely dimensionally stable	
Aluminium as high value component	

Technical Details

- Surface: Acrylic glass 3 mm

- Backside: Alu-Dibond compound 3 mm

- Medium: Exposure on supreme paper

- Total material thickness : ca. 7 mm

- Weight: ca. 7,4 kg/m2

- Maximum format: 3000 x 1800 mm

- Fire protection class DIN 4102-2: B2

- Materials: Acrylic glass, Alu-Dibond, photo paper

Over 100 available sizes

Premium composite is available in over 100 sizes and formats. The maximum format is 300 x 180 cm and can be produced within 8 working days in any dimensions required. Almost every format is available!

Standard sizes (available with our 5 working day service):

Square 1:1	
60 cm	60 cm
80 cm	80 cm
100 cm	100 cm
120 cm	120 cm

Digital format 4:3	
80 cm	60 cm
60 cm	45 cm
100 cm	75 cm
120 cm	90 cm

Classic format 3:2	
45 cm	30 cm
60 cm	40 cm
90 cm	60 cm
120 cm	80 cm

Portrait format 5:4	
75 cm	60 cm
100 cm	80 cm

Panoramic format 2:1	
80 cm	40 cm
120 cm	60 cm
150 cm	75 cm

Panoramic format 3:1	
60 cm	20 cm
120 cm	40 cm
150 cm	50 cm

Maximum production format with premium composite: 300 x 180 cm

Product variations

As a standard with premium composite, the exposed photo print is fixed between 3 mm acrylic glass and 3 mm Alu-Dibond. This compound of different materials with different properties makes for a highly stable material. The process is also possible with a combination of other materials, like Forex instead of aluminium or poster instead of photo paper. However, the final price is influenced more by the production process than by the material costs. Therefore we recommend not losing precious emotional value through the use of such cheap media as Forex or poster.

File requirements

		Pixels at 300 DPI		Pixels at 360 DPI	
		Lenth	Width	Length	Width
Square 1:1					
60 cm	60 cm	7100	7100	8500	8500
80 cm	80 cm	9400	9400	11300	11300
100 cm	100 cm	11800	11800	14200	14200
120 cm	120 cm	14200	14200	17000	17000
Digital format 4:3					
80 cm	60 cm	9400	7100	11300	8500
100 cm	75 cm	11800	8900	14200	10600
120 cm	90 cm	14200	10600	17000	12800
Classic format 3:2					
60 cm	40 cm	7100	4700	8500	5700
90 cm	60 cm	10600	7100	12800	8500
120 cm	80 cm	14200	9400	17000	11300
Portrait format 5:4					
75 cm	60 cm	8900	7100	10600	8500
100 cm	80 cm	11800	9400	14200	11300
Panoramic format 2:1					
80 cm	40 cm	9400	4700	11300	5700
120 cm	60 cm	14200	7100	17000	8500
150 cm	75 cm	17700	8900	21300	10600
Panoramic format 3:1					
60 cm	20 cm	7100	2400	8500	2800
120 cm	40 cm	14200	4700	17000	5700
150 cm	50 cm	17700	5900	21300	7100

Production process

The production process of premium composite is the most elaborate among large format photo products, as three different materials have to be fused into a single product. Every production step needs 24 hours for the lamination to set, so the process takes at least a week.

8. Transport & delivery

Large format photography is a delicate product to transport. To deliver a photo on acrylic glass across thousands of miles, it must be securely packaged and professionally transported.

As a rule there are two types of logistics when internationally transporting large format. Courier services support large format prints up to 120 x 90 cm internationally. With express services, couriers are able to deliver to anywhere in Europe within 24 hours.

All large formats upwards of 120 x 90 cm are delivered with a forwarder. In contrast to courier services, this means longer delivery times. A 24 hour delivery service with forwarding is therefore only possible in the surrounding region.


Standard delivery times

- 4 Days
- 5 Days
- 6 Days
- 7 Days
- 8 Days
- 9+ Days
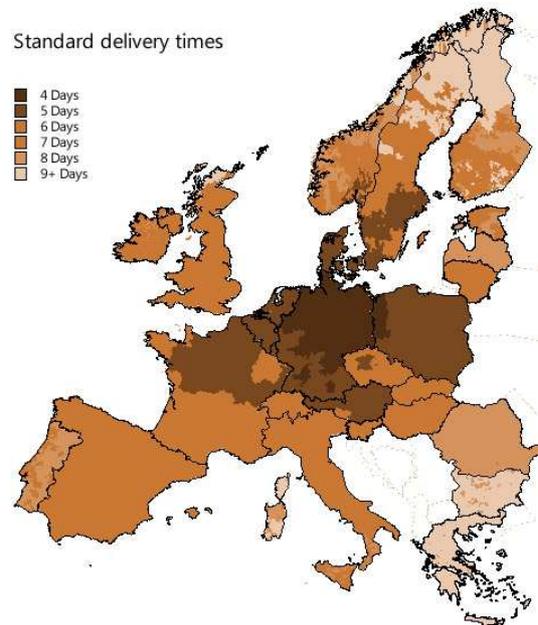
Table of delivery times in working days

Product	24h*	Express*	Standard
Canvas	1 Day	2-3 Days	4 Days
Poster	1 Day	2-3 Days	4 Days
Forex	1 Day	3-4 Days	5 Days
Acrylic glass	1 Day	3-4 Days	5 Days
Alu-Dibond	1 Day	3-4 Days	5 Days
Premium Composite	--	7-9 Days	11 Days

* 24h and express deliveries are available for standard formats up to 120 x 90 cm. The order must be received before 12:00 pm for delivery on the next working day.

Come on board with large format print!

As a registered professional photographer use this code for a 10% discount on your first order:

10% DISCOUNT

Single-use code

GFPTEST10

Voucher

Only available for professional photographers. The discount will automatically be made when voucher code is used.

XXLPIX®
Redeem code on www.xxlpix.net

9. Checklist before ordering

7 points

you should make sure of before ordering:

THINGS TO LOOK OUT FOR	✓ checked
1. Is the image size sufficient? (see resolution chart)	☐
2. JPEG file saved in the highest quality?	☐
3. Colour space set to RGB/CMYK or greyscale (for B&W prints)?	☐
4. Border allowance? (only for canvas)	☐
5. Does your file conform to the format? (alternatively request special format: service@xxlpix.net)	☐
6. Mounting method planned? (for Alu-Dibond, Acrylic glass, Premium Composite)	☐
7. Which kind of delivery do you need? (24h, Express or Standard)	☐

Do you need uncomplicated support?

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