

A Pro's guide to photo prints on acrylic glass

The way for professional photographers to get the best results out of acrylic glass

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Photography on acrylic glass

Photos printed on acrylic glass are a major current trend among photo products. With their sleek and glossy surface, acrylic glass photos match the modern high gloss look of smart phones and tablet computers.

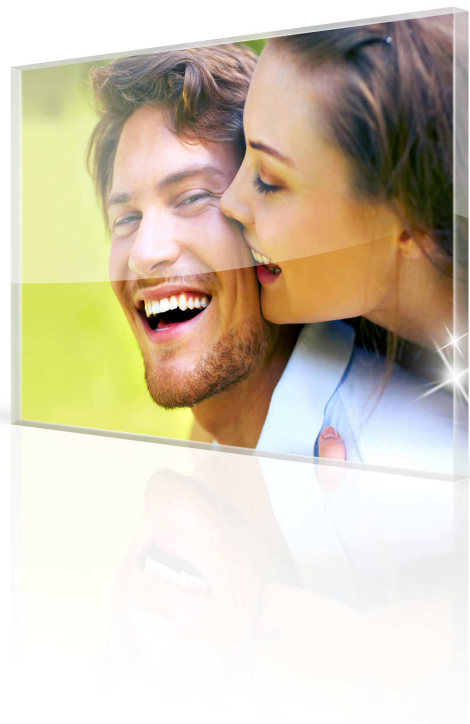
Acrylic glass photos today are used for modern interior design, as well as at photography exhibitions and in commercial / trade fair design. The medium is available in 3 mm as standard and 8 mm as a premium variety with diamond-polished edges. Photos printed behind acrylic glass always look modern, impressive and valuable.

Material properties

+ Plus	- Minus
weather proof	large file requirements
high gloss, transparent	3 mm: not warp-resistant
highly shatterproof	8 mm large formats: heavy
suitable for back lighting	

Technical details for acrylic glass photos

- Density 1,18 kg/dm³
- Light transmission 92 %
- Maximum format: 2500 mm x 1250 mm
- Material thickness: Standard 3 mm, Premium 8 mm
- Fire protection class DIN 4102-2 B
- 8 mm-Variety: diamond-polished edges



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 to the millimeter in any dimensions required within 6 working days.

24 Standard sizes (available with our 24h service):

Square 1:1		Digital format 4:3		Classic format 3:2	
20 cm	20 cm	40 cm	30 cm	30 cm	20 cm
40 cm	40 cm	60 cm	45 cm	45 cm	30 cm
60 cm	60 cm	80 cm	60 cm	60 cm	40 cm
80 cm	80 cm	100 cm	75 cm	90 cm	60 cm
100 cm	100 cm	120 cm	90 cm	120 cm	80 cm
120 cm	120 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

Production formats: minimum 20 x 20 cm, maximum 250 x 125 cm

Acrylic glass product varieties

Photo prints on acrylic glass are available in two material varieties. The standard variety has a material thickness of 3 mm, while the premium variety has a material thickness of 8 mm.

Although the picture quality of the 3 mm variation is just as high grade, the 8 mm variety has a physical depth, which along with its diamond polished edges complements its premium quality.

Styles:

- Standard 3 mm Acrylic glass
- Premium 8 mm Acrylic glass, diamond-polished edges

File requirements for acrylic glass prints

Printing on acrylic glass is demanding and requires a resolution of at least 150 DPI. The optimal resolution for an acrylic glass photo print is 300 DPI. The following are the most popular sizes for acrylic glass photos.

Required resolution for acrylic glass prints:

		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

The production of photos on acrylic glass today is done using two different methods, both of which are offered by XXLPIX GmbH.

With direct printing, the photo is directly printed on the back side of the acrylic glass. This establishes a direct connection with the acrylic glass medium and the image motif.

With laminating, a print on poster or photo paper is fixed to the back side of the acrylic glass. The adhesive process is perhaps not as high value as a direct print, but the picture reproduction accuracy on photo paper surpasses that of direct prints.

Direct photo prints on acrylic glass are printed with the 5C process on the back of an acrylic glass sheet. Firstly the motif is printed with the 4C process, then the product is finished with a following 2 layers of white. This has the advantage that with direct printing the photo product can be back lit, and can be used as a spectacular light source.

Mounting acrylic glass photos

Acrylic glass photos need special mounting methods, especially when the finished product is to be mounted free-hanging. With this mounting method the mounting itself is not visible. This gives the impression that the photo product is free-floating.

There are various mounting methods, which are suitable for different requirements. Depending on weight and optical preference, there are different mounting systems available for your photo on acrylic glass.

Acrylic glass photo mounting systems by comparison:

Name	Type	Load capacity in Kg
Steel	drilled	unlimited
Ghost	free-floating	approx. 1 kg
Couple	free-floating	approx. 6 kg
Aluprofil	free-floating	unlimited

Transport & delivery

Modern 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 acrylic glass photos. Courier services support acrylic glass prints up to 100 x 100 cm internationally. Couriers are able to deliver to anywhere in Europe as a 24 hour service.

Large formats upwards of 100 x 100 cm today are delivered with a forwarder. This service has the advantage of being able to transport large formats, however the processing speed is slower. Express delivery is only possible on within Germany with forwarding.

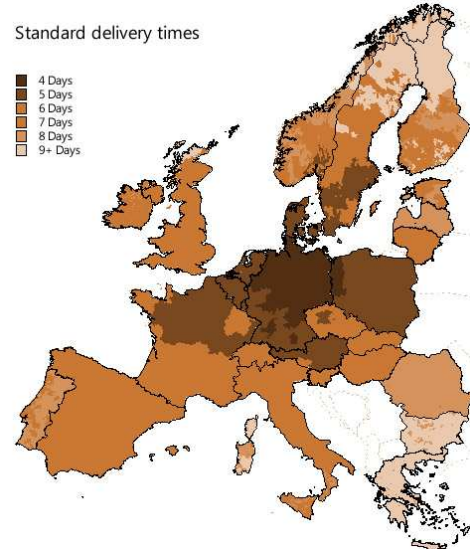


Table of delivery times in working days

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.



Figure: 240 x 80 cm Photo printed on 8 mm premium acrylic glass.

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.

XXLP!X
Redeem code on www.xxlpix.net

Checklist before ordering

6 Tips

to get the perfect acrylic glass print out of your photo:

THINGS TO LOOK OUT FOR	✔ done
1. Is the image size sufficient? (See resolution table)	<input type="checkbox"/>
2. JPEG file saved in the highest quality?	<input type="checkbox"/>
3. Colour space set to RGB/CMYK or greyscale (for B&W prints)?	<input type="checkbox"/>
4. Does your file conform to the format? (Alternatively request special format: service@xxlpix.net)	<input type="checkbox"/>
5. Mounting method planned?	<input type="checkbox"/>
6. Which kind of delivery do you need? (24h, Express or Standard)	<input type="checkbox"/>

Do you need uncomplicated support?



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