

# The pro's guide to premium composite

The way for professional photographers to  
get the best results out of premium  
composite

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## Premium Composite

The trend in modern photography is quite clearly moving towards high value products. The compound product 'premium composite' fuses a high value artistic motif with a high grade production process to create a highly valuable finished work of art. The stars of the international photography scene today mostly reproduce their photos on premium composite.

Premium composite is a so-called "Sandwich product", made from a combination of high grade materials. A photo exposure fixed to Alu-Dibond is laminated behind a sheet of high grade acrylic glass with artificial resin. The result is a high gloss surface, which is stabilised by the Alu-Dibond sheet. The photo medium is a classical exposure on supreme photo paper. The compound of all these high-class materials and the complexity of the production do however have their price: premium composite isn't only the most demanding process, but also the most expensive reproduction process.

### Premium Composite material properties

+ Plus	- Minus
modern high gloss surface brilliant colour properties long-lasting and shatterproof large format exposures	high price heavy weight longer production time
only high grade materials used	

## Technical details

- Surface: Acrylic glass 3 mm
- Medium: Exposure on photo paper
- Total material thickness : approx. 7 mm
- Weight: approx. 7,4 kg/m<sup>2</sup>
- Maximum production format: 3000 x 1800 mm
- Fire protection class DIN 4102-2: B2
- Materials in compound: Alu-Dibond, Acrylic glass, exposed photo paper



## Over 100 available sizes

Premium composite is available in any size, as every product is individually produced. The maximum production format is 300 x 180 cm, and can be produced exactly to the millimeter according to your requirements. Special formats can be produced within 8 days.

20 Premium composite standard sizes (available with our 5-day 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

Production formats: minimum 20 x 20 cm, maximum 300 cm x 180 cm

## Premium composite product variations

Premium composite has become today's standard premium product for the reproduction of photographic artworks. It is produced with a sandwich process, out of a combination of Alu-Dibond, photo paper and acrylic glass. This process makes for the optimal use of these materials. Alu-dibond as a medium is highly valuable, dimensionally stable and long-lasting. Exposure on photo paper is still the best way to reproduce photography in an impressive way. Acrylic glass then not only protects the exposure, but also impresses with its high gloss surface and a higher level of light transference than conventional glass.

Each element of the sandwich construction can theoretically be replaced by other materials. However, the challenging production process is what makes up the increased price of the final product. Therefore it isn't worth it for example to replace Alu-Dibond with the slightly cheaper Forex. The finished premium composite product would hardly be cheaper to produce, but would significantly lose value all the same.

## File requirements

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

## Premium composite production process

Premium composite is produced with a demanding process using high grade components. Firstly the image file is exposed on large format supreme paper. This exposure is then laminated with artificial resin to an Alu-Dibond sheet. After the laminate is left to dry, acrylic glass is then laminated to the compound material to create a typical premium composite sandwich structure. This adhesive fix also has to be left to completely dry.

Finally, a girder section is mounted to the back side of the Alu-Dibond sheet with silicon. The result is a highly valuable photo product, that can be mounted free-hanging. The effort involved in each step of the process and the necessary drying times means a minimum production time of five working days.

## Transport & delivery

Premium composite products are highly valuable products, and therefore delicate goods to transport. Special packing and professional logistics are necessary for its transport internationally.

Two types of logistics are used when transporting large format premium composite products. Courier services support formats up to 100 x 100 cm. They are able to deliver to anywhere in the world, and in Europe even as a 24 hour service.

Large format premium composite products are transported with forwarding services. They can also support formats larger than 100 x 100 cm, however they take longer to reach other countries in Europe. Delivery times of 48 hours are only possible within Germany.

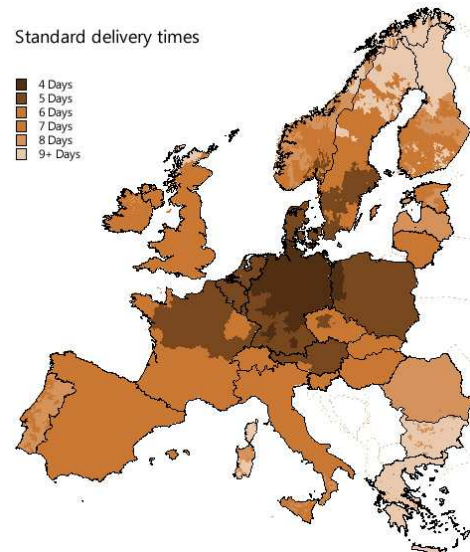


Table of delivery times in working days

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 at XXLPIX, the leading producer of premium composite photo products:

**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](http://www.xxlpix.net)



Checklist before ordering

## 5 Tips

for the perfect photo on Premium Composite:

WHAT 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: <a href="mailto:service@xxlpix.net">service@xxlpix.net</a> )	<input type="checkbox"/>
5. Which kind of delivery do you need? (24h, Express or Standard)	<input type="checkbox"/>

*Do you need uncomplicated support?*



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