



PERSPEX™ GS

CAST ACRYLIC SHEET

PERSPEX™ XT

EXTRUDED ACRYLIC SHEET

PERSPEX™

A c r y l i c S h e e t

P R O D U C T R A N G E

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PERSPEX™ GS CAST ACRYLIC SHEET**Clear sheet - Standard Range**

Colour Number	Size - mm	Thickness - mm
Clear 000	3050 x 2030	3 4 5 6 8 10 12 15 20 25
	2550 x 2030	2.5 3 4 5 6
	2530 x 1220	2
	2500 x 1200	1.5
	2030 x 1520	3 4 5 6 8 10
	2030 x 1270	2.5 3 4 5 6
	1250 x 1200	1

Clear Silk (one side Anti-Reflective) - Standard Range

Colour Number	Size - mm	Thickness - mm
Clear SK 000	3050 x 2030	3 5

Maxi Size Clear sheet - Custom Range

Colour Number	Size* - mm	Thickness - mm
Clear 0000	3300 x 2500 3300 x 2400	5 6 8 10 12 15 20 25

* Other sizes available on request.

Super Maxi Size Clear sheet - Custom Range

Colour Number	Size* - mm	Thickness - mm
Clear 0000	3500 x 2540 3400 x 2470	6 8 10 12 15 20

* Other sizes available on request.

Block - Standard Range

Colour Number	Size - mm	Thickness - mm
Clear 0000	2000 x 1500	30
	1800 x 1400	40 50
	1700 x 1400	60

Block - Custom Range

Colour Number	Size - mm	Thickness - mm
Clear 0000	3000 x 2000	30 35
	2800 x 1800	40 45 50 55
	2800 x 1700	60
	2600 x 1700	62 63.5
	2000 x 1500	35

Opal/White - Standard Range

Colour Number	LT %	Size - mm	Thickness - mm
Opal/White 1T21	3	3050 x 2030	3
Opal/White 069	9	3050 x 2030	3 4 5 6
		2550 x 2030	3
Opal/White 1T67	23	3050 x 2030	3 4 5 6
Opal/White 028	26	3050 x 2030	3 4 5 6
Opal/White 1T04	32	3050 x 2030	3 4
Opal/White 050	37	3050 x 2030	3 4 5 6 10
		2550 x 2030	3 5
Opal/White 040	51	3050 x 2030	3 4 5 6
		2550 x 2030	3
Opal/White 030	70	3050 x 2030	3 5

Opal/White - Custom Range

Sheet sizes 3050 x 2030 and 2550 x 2030 mm.

Colour Number*	LT%	Thickness - mm
Opal/White 1209	<1	3 4 5 6
Opal/White 069	9	5 8** 10**
Opal/White 1013	25	3 5
Opal/White 1T02	25	3 4 5 6
Opal/White 028	26	3 5 8** 10**
Opal/White 1T04	32	5 6 8** 10**
Opal/White 050	37	8** 10**
Opal/White 040	51	8** 10**
Opal/White 041	54	3
Opal/White 030	70	4 6 8** 10**

* Other Opal/White variants are available on request.

** Not available in size 2550 x 2030.

Opal/White Silk (one side Anti-Reflective) - Standard Range

Sheet sizes 3050 x 2030 mm.

Colour Number	LT%	Thickness - mm
Opal/White SK 040	51	3

Opal/White Silk (one side Anti-Reflective) - Custom Range

Sheet sizes 3050 x 2030 mm.

Colour Number*	LT%	Thickness - mm
Opal/White SK 069	9	3 4 5 6
Opal/White SK 028	26	3 4 5 6
Opal/White SK 1T04	32	3 4 5 6
Opal/White SK 050	37	3 4 5 6
Opal/White SK 040	51	3 4 5 6

* Other Opal/White variants are available on request.

Solid and Translucent Colours - Standard Range

Sheet size 3050 x 2030 mm.

Colour Number		Thickness - mm		Colour Number		Thickness - mm	
Ivory	133	3	5	Green	650	3	
Yellow	229	3	5		692	3	5
	250	3			6T37	3	
	260	3	5		6T57	3	
	261	3	5	Blue	727	3	5
	2252	3	5		743	3	5
	2T23	3			744	3	5
Orange	363	3	5		750	3	5
Red	431	3	5		751	3	5
	433	3	5		7033	3	
	440	3	5		7T87	3	
	4403	3			7T95	3	
	4450	3	5	Grey	9981	3	
	4494	3		Black	962 ¹	3	4 5
	4T26	3			9T30	3	5
	4T47	3					
	4T58	3					

¹ Black 962 - transmits infra-red light.**Solid and Translucent Colours - Custom Range**

Sheet sizes 3050 x 2030 and 2550 x 2030 mm.

All colours from the standard range as well as the following in thickness 3, 4, 5 and 6 mm are available. The following list represents just a small selection.

Colour Number		Colour Number		Colour Number	
Yellow	128	Brown	543	Black'n'Blue	7T39
	1168	Green	635		7T43
	1507		650		7T44
	1565		6101		7T46
	1T58		6205		7T48
	1T59		6287		7T52
	1T61		6292		7T64
	2T02		6299		7T66
	2T04		6350		7T67
	2T06		6633		7T68
Orange	2T18		6634		7T70
	2T52		6643		7T71
	324		6T09		7T72
	3T01		6T15	Violet	7525
	3T04		6T32		7529
Red	3T05	Blue	724		7T52
	4213		751		7T61
	4217		7011		886
	4238		7322		8839
	4240		7413	Grey	958
	4404		7423		9548
	4T08		7430		9563
	4T12		7451		9583
	4T14		7748		9590
	4T17		7T01		9616
Pink	4T26		7T02	Black*	9961
	4T27		7T03	Black'n'White	9T25
	4T28		7T06		
	4T41		7T09		
	4536		7T13		
Beige	4578		7T16		
	581		7T21		
	5187		7T22		

* Also available in 3050 x 2030 mm (in thicknesses 8, 10, 12, 15 and 20 mm)

Secret Signs Colours - Custom Range

Sheet sizes 3050 x 2030 in thickness 3, 4, 5 & 6 mm, silk finish

Colour Number	Colour Number
Black 'n' Red 4T25	Black 'n' Blue 7T25
Black 'n' Green 6T25	Black 'n' White 9T25

Transparent Colours and Tints - Standard Range

Sheet size 3050 x 2030 mm.

Colour Number	Thickness - mm
Amber 300	3
Red 4401	3 5
Brown 504	5
Brown 5T02	5
Green 6600	3
Glass-Look 6T21	3 4 5 6 8
Blue 7703	3 5
Blue 7704	3
Neutral 901	3 5
914	3 5
923	3 5
9T01	8
9T13	3 4 5 6 8
9T20	3 5 6 8

Transparent Colours and Tints - Custom Range

Sheet size 3050 x 2030 mm.

All colours from the standard range as well as the following are available, in thickness 3, 4, 5, 6, 8, 10 and 12 mm. Other colours as well as special colour matches are available on request. Some tints are available in thicknesses 15, 20 and 25 mm.

Colour Number	Colour Number	Colour Number
Yellow 2202	Green 606	Neutral 905
2T11	6600	923
Amber 300	6605	9219
3104	6T07	9220
Red 4T24	6T08	9T01
4T29	6T21	9T03
Brown 504	6T22	9T04
5T02	6T32	9T09
5T03	Blue 706	9T13
5T06	7198	9T20
5T08	7526	9T21
5T14	7700	9T22
5T16	7704	9T23
5T17	7T22	9T26
5T18	7T24	9T27
5T19	7T27	9T35
5T21	7T69	9T36
5T22	7T74	9T37
5T23	Violet 7526	9T39
5T24	7546	9T41
	7547	9T42
		9T72

PERSPEX™ FROST - Double Sided Anti Reflective GS (cell cast) Sheet.
 Sheet size 3050 x 2030 mm.

Colour Number		Standard - mm	LT%	Custom - mm
Crystal Clear	S2 000	3 4 5 15 20	90	6 8 10
Polar White	S2 030	3 5	60	8 10 15 20
Citrus Yellow	S2 2T07	3 5	85	10
Lemon Sorbet	S2 2T30	3 5	63	10
Mandarin Orange	S2 3T17	3 5	59	10
Blush (pink)	S2 4T46	3 5	54	10
Chilli Red	S2 4T50	3 5	44	10
Glacier Green	S2 6T21	3 4 5 6 15 20	74	8 10
Emerald Green	S2 6T59	3 5	18	10
Sapphire Blue	S2 7T28	3 5	17	10
Aurora (violet)	S2 7T58	3 5	55	10
Electric Blue	S2 7T69	5	73	3 10
Arctic Blue	S2 7T77	3 5	75	10 15 20

Please check lead time with local sales office or distributor.

Other colours and thicknesses available on request

PERSPEX™ Pearlescent - Standard Range

Colour Number	Size - mm	Thickness - mm
Pearl 1PY1	3050 x 2030	3mm
Azure 7PY3	3050 x 2030	3mm
Candy 4PY5	3050 x 2030	3mm
Caramel Gold 5PY0	3050 x 2030	3mm
Platinum 9PY2	3050 x 2030	3mm

PERSPEX™ Fluorescent - Standard Range

Colour Number	Size - mm	Thickness - mm
Solar Yellow 2T32	3050 x 2030	3mm
Lava Orange 3T19	3050 x 2030	3mm
Mars Red 4T56	3050 x 2030	3mm
Acid Green 6T66	3050 x 2030	3mm
Neptune Blue 7T97	3050 x 2030	3mm

Available from Q4 2003

Perspex™ cast for Marine glazing

Colour Number	Colour Number	Colour Number
Bronze 5T02	Blue 7T22	9T56
5T18	7T74	9T70
5T22	Neutral 9T04	9H01
Green 6T08	9T20	9H04
6T22	9T21	9H05
6T55	9T27	
	9T38	

For further information please contact your local Lucite International Sales office

Coloured Silk (one side Anti-Reflective) - Custom Range

Grade	Size - mm	Thickness - mm
Most Silk standard and custom range colours	3050 x 2030	3 4 5 6

UV Absorbing grades - Custom Range

Grade	Colour Number	Size - mm	Thickness - mm
VA (highly UV absorbing from ca. 385 nm)	Clear VA 004	3050 x 2030	3 4 5
VE (highly UV absorbing from ca. 400 nm)	Clear VE 003 Opal/White VE 031	3050 x 2030 3050 x 2030	3 4 5 3 4 5

UV Transmitting grade - Custom Range

Colour Number	Size - mm	Thickness - mm
Clear 0UV0	3050 x 2050	3 4 5 8

Patterned textures - Custom Range (Lead times available on request)

Pattern	Colour Number	Size - mm	Thickness - mm
Pyramid	Clear PY 000	2000 x 1200	3
Stipple ¹ (one side only) (Limited availability)	Clear ST 000 Brown ST 5T23 Green ST 6T22	3050 x 2030 3050 x 2030 3050 x 2030	3 4 5 6 8 10 12 3 4 5 6 8 10 12 3 4 5 6 8 10 12
Ripple* (both sides) Similar to Stipple texture but with coarser structure (Limited availability)	Clear RI 000 Brown RI 5T18 Brown RI 5T21 Brown RI 5T23 Brown RI 5T24 Green RI 6T22 Neutral RI 9T26 Neutral RI 9T27	3050 x 2030 3050 x 2030 3050 x 2030 3050 x 2030 3000 x 2000 3000 x 2000 3000 x 2000 3000 x 2000	3 4 5 6 8 10 12 3 4 5 6 8 10 12 3 4 5 6 8 10 12 3 4 5 6 8 10 12 15 20 15 20 15 20 15 20

¹ Other sizes available on request.

* Please check availability with sales office.

PERSPEX™ LIGHT MANAGEMENT SOLUTIONS - Standard Range

Type	Colour Number	Size - mm	Thickness - mm
PERSPEX S-Lux	SL000	3050 x 2030	10 12
PERSPEX D-Lux	DL000	3050 x 2030	10

PERSPEX™ LIGHT MANAGEMENT SOLUTIONS - Custom Range

These products offer tailored solutions to the edge lit sign and display market.

Type	Colour Number	Size - mm	Thickness - mm
PERSPEX S-Lux	SL000	3050 x 2030	8
PRISMEX	PR000	on request	8 10 15 20

For further information and literature please contact your local Lucite International sales office.

PERSPEX™ XT EXTRUDED ACRYLIC SHEET

Cut to size, Maxi Sizes and over-length sheets are available on request for the extruded range. PERSPEX XT Solid colours are available on request.

Clear sheet - Standard Range

Colour Number	Size - mm	Thickness - mm
Clear 0X00	3050 x 2050	2 2.5 3 4 5 6 8 10
	3050 x 2000	1.5
	2550 x 2050	2 3 4 5 6 8
	2050 x 1250	2 2.5 3 4 5 6 8

Clear sheet - Custom Range

Colour Number	Size - mm	Thickness - mm
Clear 0X00	3050 x 2050	12 15 18 20 25
	2550 x 2050	2.5 10 12 15 18 20 25
	2050 x 1250	10 12 15 18 20 25

Silk Clear Anti-Reflective - Standard Range

Colour Number	Size - mm	Thickness - mm
Silk Clear SK 0X01	3050 x 2050	1.5 2 3

Silk Clear Anti-Reflective - Custom Range

Colour Number	Size - mm	Thickness - mm
Silk Clear SK 0X01	3050 x 2050	4 5
	2550 x 2050	1.5 2 3 4 5

UV Transmitting grade - Custom Range

Colour Number	Size - mm	Thickness - mm
Clear 0X02	3050 x 2050	2 3 4 5

Opal/White and Glass-Look sheet - Standard Range

Colour Number	LT %	Size - mm	Thickness - mm
Opal/White 1X10 (similar to 028)	28	3050 x 2050	2 3 4 5 6
Opal/White 1X20 (similar to 050)	35	3050 x 2050	2 3 4 5
Opal/White 1X30 (similar to 040)	45	3050 x 2050	3 4
Glass-Look 6X21	90	3050 x 2050	3 5

Opal/White, Glass-Look, Bronze and Smoke Grey sheet - Custom Range

Colour Number	LT %	Size - mm	Thickness - mm
Opal/White 1X09 (similar to 069)	9	3050 x 2050 2550 x 2050	3 4 5 6 2.5 3 4 5 6
Opal/White 1X10 (similar to 028)	28	2550 x 2050	2 3 4 5 6
Opal/White 1X20 (similar to 050)	35	3050 x 2050 2550 x 2050	6 2 2.5 3 4 5 6
Opal/White 1X30 (similar to 040)	45	3050 x 2050 2550 x 2050	2 5 6 2 2.5 3 4 5 6
Opal/White 1X70 (similar to 030)	79	3050 x 2050 2550 x 2050	2 2.5 3 4 5 6 2 2.5 3 4 5 6
Glass-Look 6X21	90	3050 x 2050	4 6 8 10 12 15 20
Glass-Look Silk SK 6X21	90	3050 x 2050	2 3 5 6 8 10 12 15
Bronze 9X52 Smoke Grey 9X91	56 19	3050 x 2050 3050 x 2050	3 4 5 6 8 3 4 5 6

Mirror - Standard Range

Colour Number*	Size - mm	Thickness* - mm
Mirror 5507	2000 x 1500	3

* Other thicknesses and colours are available on request.

PERSPEX™ IMPACT MODIFIED ACRYLIC SHEET**PERSPEX™ XT IM (extruded) - Standard Range**

Grade	Colour Number	LT %	Size - mm	Thickness - mm
IM50	Clear 0F00	90	3050 x 2050	2 3 4
IM60	Clear 0D00 Opal/White 1D10	89 28	3050 x 2050 3050 x 2050	3 4 5 6 3

PERSPEX™ XT IM (extruded) - Custom Range

Grade	Colour Number	LT %	Size - mm	Thickness - mm
IM50*	Clear 0F00	90	3050 x 2050 2550 x 2050	1.5 2.5 5 6 8 15 1.5 2 2.5 3 4 5 6
	Opal/White 1F20	35	3050 x 2050	1.5 2 2.5 3 4 5 6 8
	Opal/White 1F10	28	3050 x 2050 2550 x 2050	1.5 2 2.5 3 4 5 6 8
IM50 Silk	Clear SK 0F01	>89	3050 x 2050	1.5 2 2.5 3 4 5 6
	Opal/White SK 1F10	28	3050 x 2050	1.5 2 2.5 3 4 5 6
	Clear 0D00	89	3050 x 2050 2550 x 2050	1.5 2 8 1.5 2 2.5 3 4 5 6
		28	3050 x 2050 2550 x 2050	2 4 8 4 5 6
IM60 Silk	Clear SK 0D01	>88	3050 x 2050	1.5 2 2.5 3 4 5 6
	Opal/White SK 1D10	28	3050 x 2050	1.5 2 2.5 3 4 5 6

* if thickness is 1.5mm, the width is not 2050 but 2000mm

PERSPEX™ GS IM (cell cast) - Custom Range

Impact Modified Cast sheet is available in most popular colours of which the following represents just a small selection. They are available in sheet size 3050 x 2030 mm and thicknesses 3, 4, 5, and 6 mm.

Colour Number	Colour Number
Clear 0M14	Yellow 2M29
Opal/White 0M28	Red 4M31
Opal/White 0M50	Green 6M50
Opal/White 0M69	Neutral 9M14

PERSPEX™ CLEARVIEW for acoustic screening - Custom Range

These grades are accredited to the German standard ZTV-Lsw88.

Over-length and Cut To Size are available.

Type	Colour Number	Size - mm	Thickness - mm
GS (cell cast)	Clear MS017	3050 x 2030	15 18 20
XT (extruded)	Clear 0X03	3050 x 2050	15 18 20 25
	Bronze 5X13	3050 x 2050	15 18 20 25
	Green 6X21	3050 x 2050	15 18 20 25
	Green 6X22	3050 x 2050	15 18 20 25
	Green 6X24	3050 x 2050	15 18 20 25
	Blue 7X13	3050 x 2050	15 18 20 25
	Smoke Grey 9X13	3050 x 2050	15 18 20 25

Glow Wire - Custom Range

Grade	Size - mm	Thickness - mm
GW* Clear 000 and Opal/White 030.	2030 x 1270	3 4 5 6 8 10 12

* PERSPEX™ GW meets the flammability requirements of the IEC 695-2-1 (1991) glow wire test, at 850°C.

PERSPEX™ FABRICATION PRODUCTS

PERSPEX is the Lucite International Trade Mark for cast and extruded acrylic sheet manufactured to specified and consistently high quality standards.

PERSPEX acrylic sheet is available in a wide range of variants, including PERSPEX GS cast sheet, PERSPEX XT extruded sheet, and a range of special PERSPEX products for specific applications.

PERSPEX is manufactured by Lucite International in the UK, France and South Africa and is sold world-wide through a network of distributors and agents.

Standard Products

These are products manufactured on a regular basis, including a range of the most popular colours, thickness and sheet sizes. These are generally available from stock.

Custom Products

These are products (in colour, sheet size, thickness or finish) specially made to order to meet specific needs. Lead-times and minimum order quantities may vary depending on the variant. Specific information on any of the products in our custom range can be obtained either from your usual PERSPEX distributor or from your nearest Lucite International sales office. Lucite International sales offices are listed on the back cover.

GUARANTEED QUALITY

All cast PERSPEX products are manufactured to exceptionally high quality standards and to quality systems meeting BS EN ISO 9002. We guarantee our PERSPEX clear, opal and most coloured sheets for 10 years. Contact your local Lucite International sales office for guarantees for individual grades and colours.

HEALTH AND SAFETY

When handled and used correctly, PERSPEX is perfectly safe in use. However PERSPEX is a hard material and care must be taken to avoid contact with sharp edges. Lucite International recommends the use of approved safety equipment when handling PERSPEX sheet - including eye and hand protection.

Before handling PERSPEX sheet you are advised to read the appropriate Material Safety Data Sheets and other Health and Safety advice available from your PERSPEX distributor or from your Lucite International sales office.

COLOUR

The PERSPEX colour range is almost limitless due to the batch process used for cast sheet manufacture. Standard colours are readily available whilst Custom range colours are available for a minimum quantity of 16 to 19 sheets, depending on thickness. New colours can be specially matched and supplied made to order. Please check with your nearest Lucite International sales office for further details.

LIGHT TRANSMISSION

When light transmission (LT) figures are given, they are for a nominal 3 mm thickness. The light transmission of PERSPEX varies according to thickness. Colour numbers with the letter "T" are constant transmission products. This means that the product has the same light transmission throughout the thickness range.

DIMENSIONAL TOLERANCES

PERSPEX GS Cast Acrylic Sheet

PERSPEX GS is manufactured in accordance with ISO 7823-1, which means for the thickness range of 2 to 25 mm, a production tolerance of $\pm 10\%$ plus 0.4 mm. For example, 8 mm cast sheet could vary from 6.8 mm to 9.2 mm.

The thickness tolerance of PERSPEX block varies from -0/+4 to -0/+7 mm according to thickness.

PERSPEX supplied directly from Lucite International has a standard cutting tolerance of -0/+6 mm for all standard size sheet. For larger sheet the cutting tolerance is -0/+0.3% on length and width. The maximum difference between the two measured diagonals shall not be greater than 1 mm per 800 mm edge length.

PERSPEX XT Extruded Acrylic Sheet

Perspex XT is manufactured in accordance with ISO 7823-2, i.e. to a thickness tolerance of $\pm 10\%$ for thicknesses below 3 mm and $\pm 5\%$ for thicknesses.

The cutting tolerance for standard sheet cut on line is -0/+9 mm and for over-length the tolerance is -0/+0.3%.

AVAILABILITY OF STANDARD AND CUT TO SIZE SHEET

Information on lead times, minimum item quantities, minimum order quantities and the availability of cut to size sheet is available from your nearest PERSPEX sales office or distributor.

TRACEABILITY

All PERSPEX products are traceable through the unique batch numbering system which is printed onto the masking.

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Values quoted for properties of PERSPEX are results of tests on representative samples and do not constitute a specification.

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