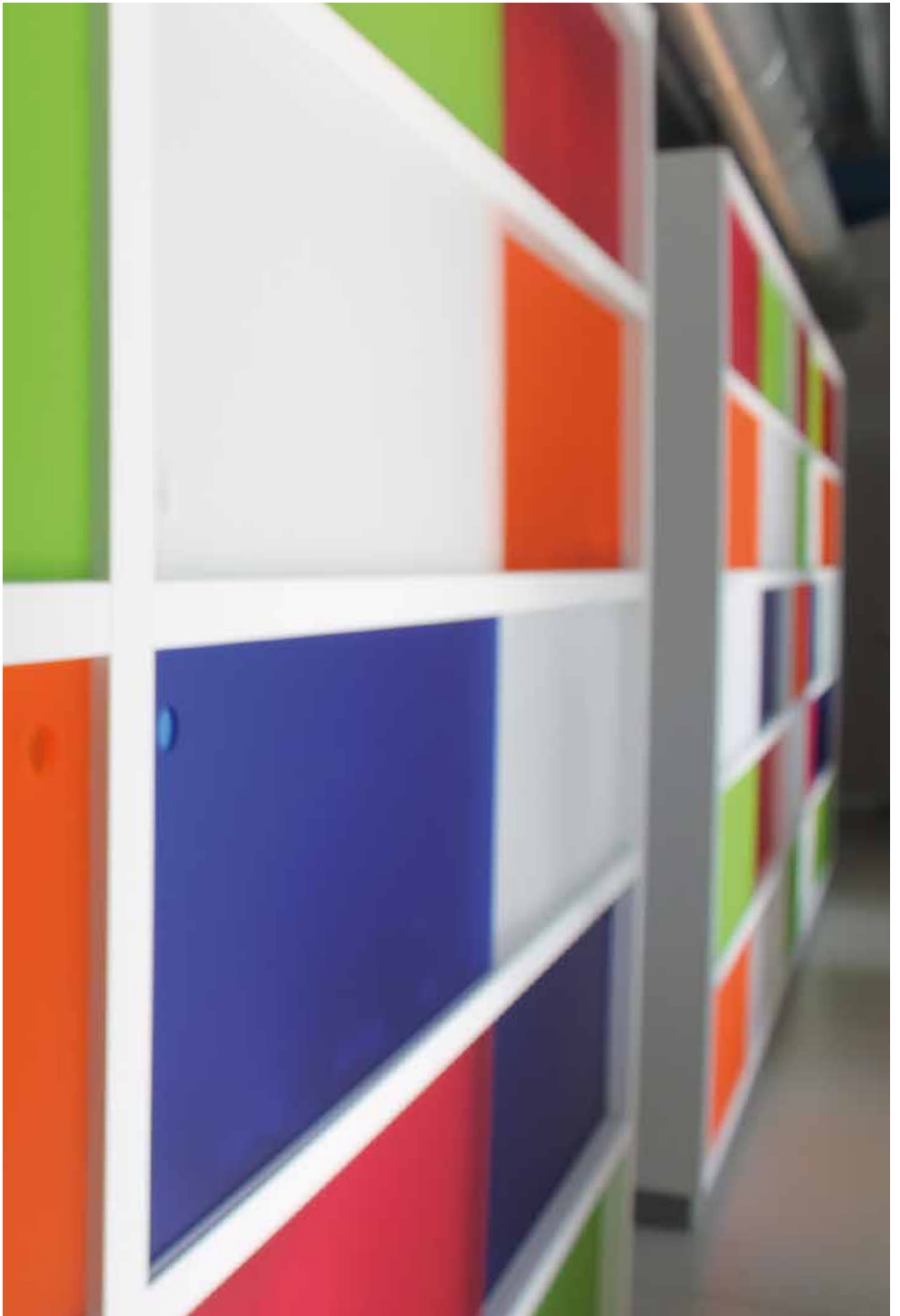




PRODUCT GUIDE

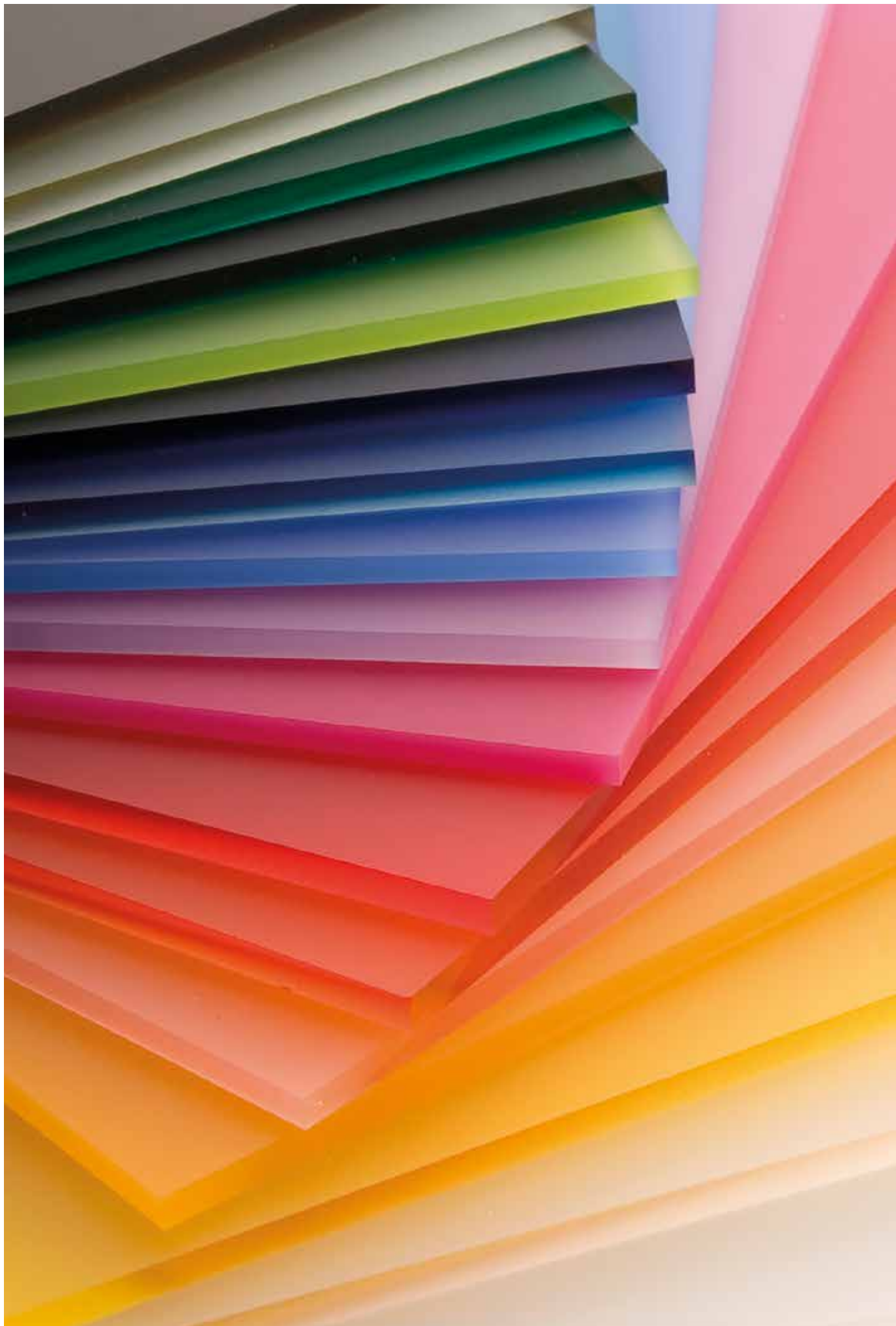
Signage, construction and even furniture. So versatile.





CONTENT

CRYLUX™	04 – 09
■ CRYLUX™ – Clear transparent	08
■ CRYLUX™ – Opaque	08
■ CRYLUX™ – Opal	08
■ CRYLUX™ – Translucent	08
■ CRYLUX™ – Transparent colours	09
■ CRYLUX™ – Blocks	09
CRYLUX™ & COLOURS	10 – 17
■ CRYLUX™ Argenta	12
■ CRYLUX™ Neon	14
■ CRYLUX™ Design	16
CRYLUX™ & LIGHT	18 – 27
■ CRYLUX™ Lumina	20
■ CRYLUX™ Vision	22
■ CRYLUX™ Optima	24
■ CRYLUX™ Fluoedge	26
■ CRYLUX™ Night & Day	27
CRYLUX™ & PROTECT	28 – 35
■ CRYLUX™ Beauté	30
■ CRYLUX™ Anti-Bacteria	32
■ CRYLUX™ UVP	34
■ CRYLUX™ UVT	34



CRYLUX™

Thanks to its high transparency, durability and UV stability, acrylic glass (PMMA) is the perfect choice when looks are what counts.

CRYLUX™ is one of the most visually attractive plastics and offers a wide range of cast acrylic sheets, which are available in coloured, opaque, matt, transparent or translucent design.

The sheets offer a variety of applications thanks to

- perfect transparency for displays
- lively, vibrant colours for company signs or shop fittings
- high impact strength in the construction industry
- simple processing options for individual pieces of furniture

CRYLUX™ is available not only in standard thicknesses from 2 to 35 mm, but also in blocks with up to 60 mm thickness. It is suitable for cutting and can be used among other things in deep sea vehicles and aquaria, where enormous pressure requires the highest product performance. In addition to an extensive range of standard colours, **CRYLUX™** is also available in a variety of special products (**CRYLUX™ & COLOURS**, **CRYLUX™ & LIGHT**, **CRYLUX™ & PROTECT**). On request, we can even develop colours for your specific project.

CRYLUX™ sheets are made according to strict environmental and quality controls in line with the IPPC guidelines. This ensures consistent product quality. The sheets can be completely recycled using a pyrolysis process. The recycled raw material can be returned to the manufacturing cycle to produce new sheets.

CRYLUX™ sheets also fulfil the requirements of the current European Union's chemicals regulations (REACH). **CRYLUX™** sheets, in particular, are free of any of the substances which are listed as being "Substances of Very High Concern" (SVHC) in the current version of the ECHA, e.g. silicone or halogen.

What is more, the production site adheres to a sustainability programme which has succeeded in reducing electricity and gas consumption by more than 40% and water consumption by 70% in the last ten years.

CRYLUX™

CAST ACRYLIC IN LIVELY, VIBRANT COLOURS

CHARACTERISTICS

- Optical transparency
(93% light transmission for transparent sheets)
- High impact resistance
- Lighter than glass of the equivalent thickness
- UV-resistant
- Good thermal stability
- Low water absorption
- Easy to handle
- Perfect transparency for displays
- Broad thickness range (2 to 60 mm)
- Wide range of standard and special colours

APPLICATIONS

- Company signs
- Neon signs
- Shop fittings
- Individual furniture
- Displays
- Sanitary Fittings
- Gift articles
- Solariums
- Boat building
- Deep sea vehicles
- Aquaria
- Projection screens
- Skylights
- Barrel vaults
- Partitions
- Doors

PROCESSING

- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Bonding
- Welding
- Hot bending
- Thermoforming
- Tempering

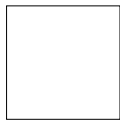


GENERAL			
Property	Method	Unit	CRYLUX™
Density	ISO 1183-1	g/cm ³	1.19
Water absorption 24h/23°C	ISO 62 Method 1	%	0.2
Rockwell Hardness	ISO 2039-2	M-Scale	105
MECHANICAL			
Property	Method	Unit	CRYLUX™
Tensile strength	ISO 527-2	MPa	75
Elongation at break	ISO 527-2	%	6
Tensile modulus	ISO 527-2	MPa	3300
Flexural strength	ISO 178	MPa	125
Flexural modulus	ISO 178	MPa	3000
Impact strength Charpy unnotched	ISO 179-1	kJ/m ²	18
Impact strength Charpy notched	ISO 179-1	kJ/m ²	2
OPTICAL			
Property	Method	Unit	CRYLUX™
Light transmission	ISO 13468-1	%	93
Refractive index	ISO 489	n _D ²⁰	1.492
THERMAL			
Property	Method	Unit	CRYLUX™
Vicat temperature (B 50)*	ISO 306	°C	110
Heat deflection temperature (A)	ISO 75-2	°C	105
Specific heat capacity	ISO 3146-C-60°C	J/gK	2.16
Linear thermal expansion α	ISO 11359-2	mm/m °C	0.07
Thermal conductivity	DIN 52612	W/mK	0.19
Service temperature continuous use		°C	80
Max. temperature short term use		°C	90
Degradation temperature		°C	>280
Sheet forming temperature range		°C	140 – 190
ELECTRICAL			
Property	Method	Unit	CRYLUX™
Surface resistivity	IEC 60093	Ω	>10 ¹⁴
Volume resistivity	IEC 60093	$\Omega \times m$	>10 ¹⁵
Electrical strength	IEC 60243-1	kV/mm	10
Dielectric strength	IEC 60243-1	kV/mm	30
Dielectrical dissipation factor 50 Hz	DIN 53483-2		0.06
Dielectrical dissipation factor 1 KHz	DIN 53483-2		0.04
Dielectrical dissipation factor 1 MHz	DIN 53483-2		0.02
Relative permittivity 50 Hz	DIN 53483-2		2.7
Relative permittivity 1 KHz	DIN 53483-2		3.1
Relative permittivity 1 MHz	DIN 53483-2		2.7

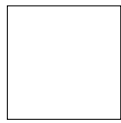
* = Pre-treatment: 16 h at 80°C

Note: These technical data of our products are typical ones; the actually measured values are subject to production variations.

CRYLUX™ – Clear transparent



Clear 1000
FLS
LT 93 %

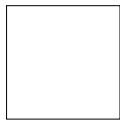


Clear 1000
MAT
LT 91 %



Clear 1000
UVT
LT 93 %

CRYLUX™ – Opaque



White 3014
OPAQUE
LT 5 %



Black 3945
OPAQUE
LT <1 %

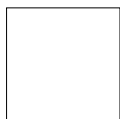


Brown 3420
OPAQUE
LT <1 %



Grey 3924
OPAQUE
LT <1 %

CRYLUX™ – Opal



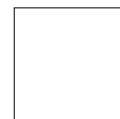
Ice White 2000
OPAL
LT 74 %



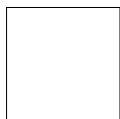
Ice White 2013
OPAL
LT 68 %



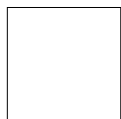
White 4000
OPAL
LT 41 %



White 4005
OPAL
LT 37 %

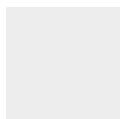


White 4018
OPAL
LT 52 %



White 4029
OPAL
LT 30 %

CRYLUX™ – Translucent



Cream 4108
FLS
LT 17 %



Yellow 4201
FLS
LT 22 %



Yellow 4203
FLS
LT 21 %



Yellow 4218
FLS
LT 22 %



Orange 4317
FLS
LT 17 %



Green 4503
FLS
LT 3 %



Green 4517
FLS
LT 11 %



Red 4606
FLS
LT 15 %



Red 4629
FLS
LT 10 %



Ice Blue 2819
FLS
LT 11 %















Blue 4814
FLS
LT 12 %



Blue 4860
FLS
LT 4 %

CRYLUX™ – Transparent colours

 Yellow 1201 FLS LT 61 %	 Orange 1303 FLS LT 40 %	 Brown 1433 FLS LT 57 %	 Green 1504 FLS LT 28 %
 Red 1617 FLS LT 19 %	 Blue 1819 FLS LT 22 %	 Blue 1861 FLS LT 51 %	 Blue 1875 FLS LT 72 %
 Grey 1917 FLS LT 18 %	 Brown 1923 FLS LT 26 %	 Grey 1961 FLS LT 43 %	 Brown 1443 FLS LT 14 %

CRYLUX™ – Blocks

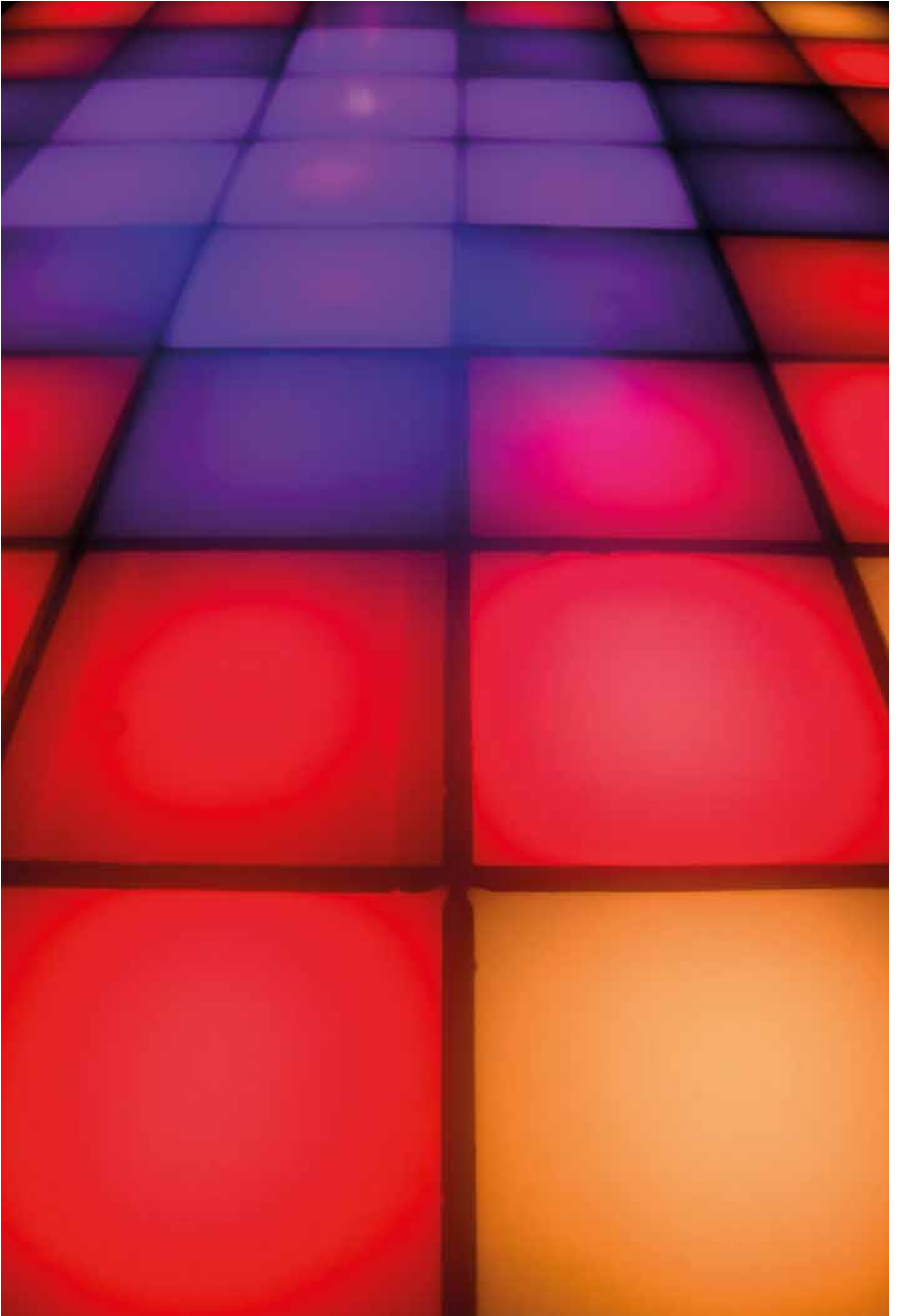
 Clear 1000 FLS/ARD/MAT	 Opal White FLS/ARD/MAT	 Transparent Green 1502 FLS/ARD/MAT	 Transparent Blue 1875 FLS/ARD/MAT
---	---	---	--

FLS = double-sided glossy, ARD = double-sided matt, MAT = single-sided matt, UVT = partially transparent to UV light, OPAQUE = non-transparent, OPAL = semi-transparent
LT = Light transmission (Figures apply to 3 mm sheet thickness only.)

The colours printed may vary from the original. To ensure exact colour matching please ask for a colour sample. Subject to technical changes.

Detailed information on the products deviating from the standard can be found in the current valid version of the delivery programme.
Please contact your customer service representative.





COLOURS

The product line **CRYLUX™ & COLOURS** offers a wide range of different surfaces and colours for sophisticated design applications, which attract attention and thereby create a feeling of spaciousness.

Special features, such as the light transmission, high brilliancy, low weight or the good processing characteristics offer a lot of scope for creativity.

The application field of **CRYLUX™ & COLOURS** includes booth construction, interior design, promotion, high-quality shop fitting, furniture and luxurious POS/POP displays, among others.

CRYLUX™ Argenta

SPARKLING COLOURED FRONT SIDE AND METALLIC, SILVER OPAQUE REVERSE SIDE

Special colours and characteristics ensure that the product range **CRYLUX™ Argenta** stands out from other material with a unique sparkling look, creating a fascinating depth effect that guarantees your attention.

The two different surfaces offer many creative solutions in the visual area: The front side is sparkling coloured and is characterised by a gloss and depth effect, while the metallic silver reverse side is equipped with an opaque appearance.

CRYLUX™ Argenta is specially suitable for the high-end sector by implementing innovative interior design concepts using its various manufacturing and surface processing methods, including thermoforming.

CHARACTERISTICS

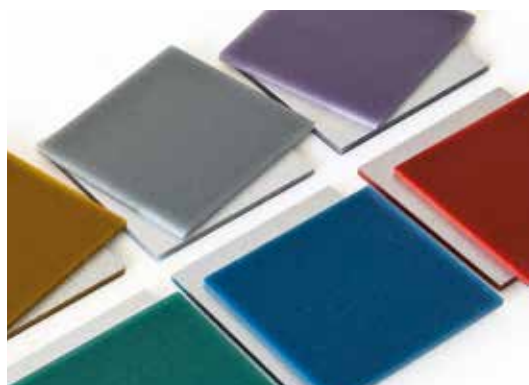
- Two different surfaces:
 - Front side (sparkling coloured with a gloss depth effect)
 - Reverse side (metallic silver, opaque appearance)
- Unique sparkling look
- Fascinating depth effect
- Special visual characteristics
- Easy to handle

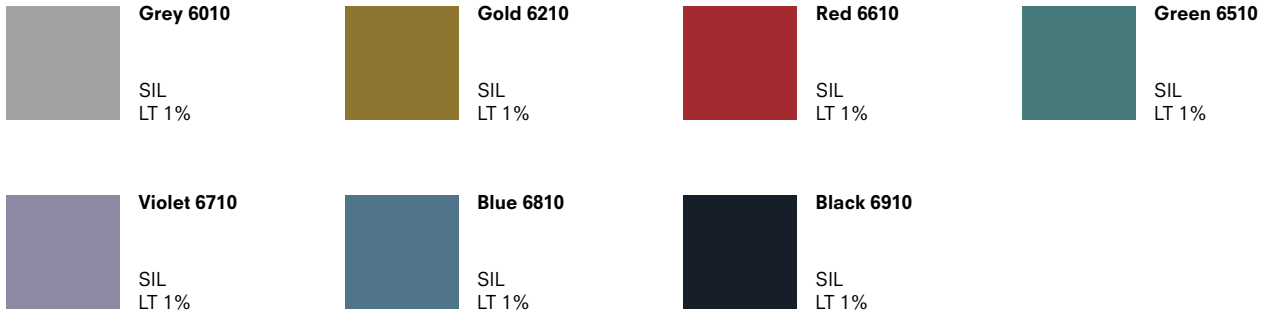
APPLICATIONS

- Luxurious POS/POP displays
- High-quality shop fittings
- Interior design (restaurants, casinos, museums, flagship stores)
- Booth construction
- Furniture
- Promotion
- Lighting
- Interior fittings for mobile homes and yachts

PROCESSING

- | | |
|------------------------------|-----------------|
| ■ Printing | ■ Polishing |
| ■ Laminating | ■ Bonding |
| ■ Sawing | ■ Welding |
| ■ Drilling | ■ Hot bending |
| ■ Thread cutting | ■ Thermoforming |
| ■ Milling | ■ Tempering |
| ■ Laser cutting | |
| (on the coloured front side) | |





SIL = Argenta

LT = Light transmission (Figures apply to 3 mm sheet thickness only. Light transmission up to an average of 30 to 35% (depending on colour reference) can be gained by thermoforming the material.)

Due to inner composition and production process, material has a certain particle orientation. This results in a colour, which has different colour shades depending on visual angle.

The colours printed may vary from the original. To ensure exact colour matching please ask for a colour sample. Subject to technical changes.

Detailed information on the products deviating from the standard can be found in the current valid version of the delivery programme.
Please contact your customer service representative.



CRYLUX™ Neon

EYE-CATCHING, FLUORESCENT COLOURS

The product range **CRYLUX™ Neon** is characterised by the high brightness, combined with an excellent light transmission and low weight. By trendy strong colours, each application is put in perspective through the necessary dash of liveliness.

Five fluorescent colours are available: a refreshing yellow, a bright orange, a vibrant green, a bold red and an invigorating blue. With these colours inspiring creativity and conveying a feeling of optimism, they will particularly appeal to everyone from designers and architects, through to product display builders and exhibition stand designers.

CHARACTERISTICS

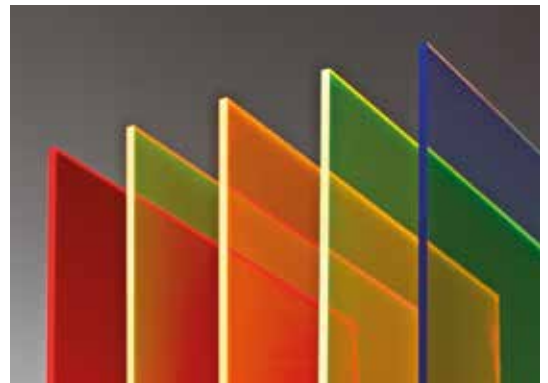
- Eye-catching, fluorescent colours
- Intensive color brilliance
- Good impact strength
- Low weight
- Excellent light transmission

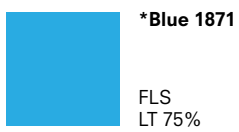
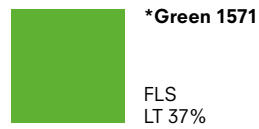
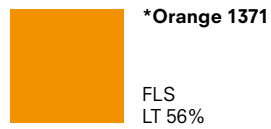
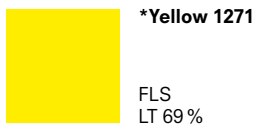
APPLICATIONS

- Displays
- Signs
- Decoration
- Lighting
- Fashion
- Shop fitting
- Furniture
- Advertising
- Interior design

PROCESSING

- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Bonding
- Welding
- Hot bending
- Thermoforming
- Tempering





* = For indoor applications, outdoor variant for outdoor applications available on request.

FLS = double-sided glossy

LT = Light transmission (Figures apply to 3 mm sheet thickness only.)

The colours printed may vary from the original. To ensure exact colour matching please ask for a colour sample.

Detailed information on the products deviating from the standard can be found in the current valid version of the delivery programme.
Please contact your customer service representative.



CRYLUX™ Design

SINGLE- OR DOUBLE-SIDED MATT SURFACES IN MANY EYE-CATCHING AND VIBRANT COLOURS

Thanks to the non-glare surfaces of **CRYLUX™ Design** the light dispersion is intensified, its matt surfaces increase the dispersion effect additionally. The lustrous satin-like texture – with its warm shading – won't stain, or be contaminated through fingerprints.

The texture of **CRYLUX™ Design** is even retained after processes such as thermoforming and hot bending, ensuring that the finished article remains true to the original concept.

CHARACTERISTICS

- Warm shading
- Stain-resistant
- Wide range of colours
- Satin-like texture
- Reduces fingerprints and attracts less dust
- Softens harsh colours
- Good processing and thermoforming characteristics
- Resistant to many chemical products
- Non-glare surfaces intensify light dispersion
- Dispersion effect is increased by the matt surfaces

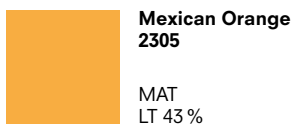
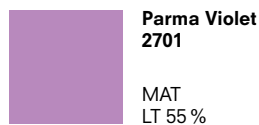
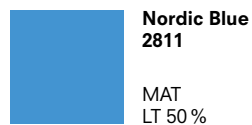
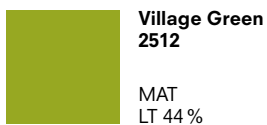
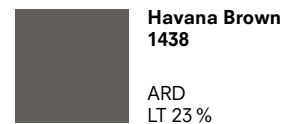
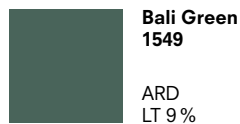
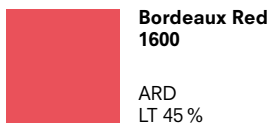
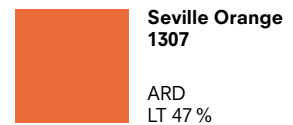
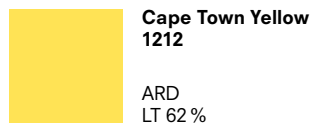
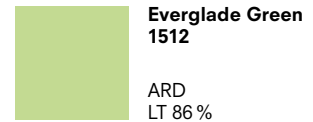
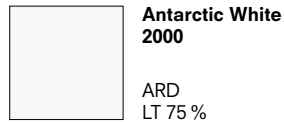
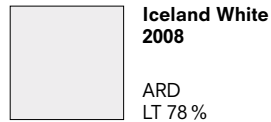
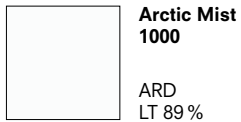
APPLICATIONS

- Interior design
- Elegant furniture
- Showcases
- POS/POP displays
- Decorative elements
- Advertising signs

PROCESSING

- | | |
|-------------------------------|-----------------|
| ■ Printing | ■ Polishing |
| ■ Laminating | ■ Bonding |
| ■ Sawing | ■ Welding |
| ■ Drilling | ■ Hot bending |
| ■ Thread cutting | ■ Thermoforming |
| ■ Milling | ■ Tempering |
| ■ Laser and water jet cutting | |





ARD = double-sided matt, MAT = single-sided matt

LT = Light transmission (Figures apply to 3 mm sheet thickness only.)

The colours printed may vary from the original. To ensure exact colour matching please ask for a colour sample.

Detailed information on the products deviating from the standard can be found in the current valid version of the delivery programme.
Please contact your customer service representative.



LIGHT

The product line **CRYLUX™ & LIGHT** is the optimal tool for the field of visual communication. The materials can stand and shine alone or they can be the perfect support to highlight your brand and make it stand out from the crowd.

Innovative characteristics, such as an uniform light diffusion and exact projection techniques, underline the excellent conditions for the development of new designs.

In the fields of decoration, lighting and advertising the product line **CRYLUX™ & LIGHT** can be used particularly with the excellent combination of LED technology and to create stand-alone corporate letters with individual lighting.

CRYLUX™ Lumina

UNIQUE LIGHT DIFFUSION CHARACTERISTICS

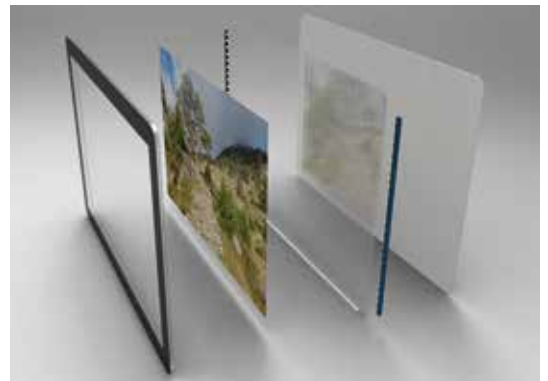
The innovative properties allow for an even distribution of light-ideal for the development of new designs in decoration, lighting and advertising.

Once the light source is applied to the edges of the sheet, a uniformed light across the whole surface, and outwards, is generated.

CRYLUX™ Lumina is specially suitable for ultra-slim lighting frames (light-boxes) which incorporate LED lighting, such as urban displays, bus shelters and poster mounts. The dimensions of the final frames can be reduced and the light output can be maximised.

CHARACTERISTICS

- Unique light diffusion characteristics
(Light is installed at the edges and distributed evenly through the sheet surface)
- Avoids disturbing shadows by back lights or LED hotspots
- Easy maintenance
- Suitable for use with any light source:
Fluorescent tubes, LEDs, cold cathode tubes, optical fibres



APPLICATIONS

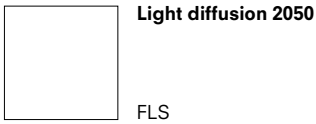
- Urban displays
- Bus shelters
- Poster mounts
- Advertising
- Double-sided poster frames
- Safety signage
- Decorative Lighting



PROCESSING

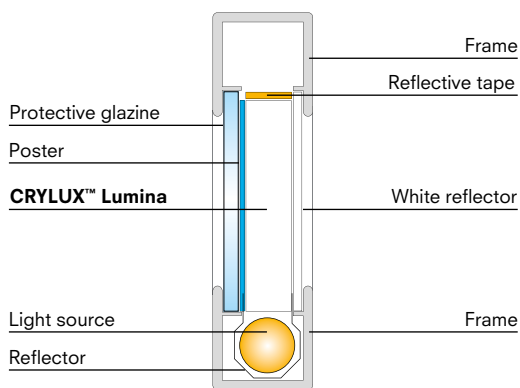
- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Bonding
- Welding
- Hot bending
- Thermoforming
- Tempering





FLS = double-sided glossy

Detailed information on the products deviating from the standard can be found in the current valid version of the delivery programme. Please contact your customer service representative.



FRAME CONFIGURATION

In order to obtain the best lighting performance using **CRYLUX™ Lumina**, remember the following guidelines:

- Edges should be flat-cut and polished (preferably diamond polished).
- Non-illuminated edges should be protected by a reflective adhesive tape (mirror or white reflector).
- Light sources should be as close as possible to the edge of the sheet. Any accessory designed to focus light into the sheet, will enhance the material's properties.
- A white reflector behind **CRYLUX™ Lumina** will increase surface illumination.



CRYLUX™ Vision

FOR DISPLAYING MESSAGES IN AUDIO-VISUAL PRESENTATIONS

In a world of fast-moving images and information, **CRYLUX™ Vision** is specified for tailor-made presentations and allows your product and your brand to stand out from the mass.

The three types in the range, **CRYLUX™ Vision Front**, **CRYLUX™ Vision Rear** and **CRYLUX™ Vision Through** cover all viewing requirements for the ultimate presentation on screen.

CHARACTERISTICS

- **CRYLUX™ Vision Front:** white, opaque, rigid screen to be used in frontal projections.
- **CRYLUX™ Vision Rear:** neutral grey-coloured sheet specially developed for rear projection and due to its special transmission values, images can be seen on both sides of the screen simultaneously. In rear projection applications, bright and clear images completely eliminate the 'hot spots' often seen with conventional projection screens.
- **CRYLUX™ Vision Through:** almost transparent sheet that allows the projection of images, and also a clear view through the sheet in zones where no image is projected.
- Rigid screen construction eliminates the risk of image distortion that can occur with textile screens.
- Matt surfaces avoid disturbing light reflection.



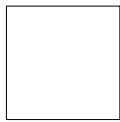
APPLICATIONS

- Projection screen presentation
- Projection screens
- Front projections
- Rear projections

PROCESSING

- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Bonding
- Welding
- Hot bending
- Thermoforming
- Tempering





Vision Front 3014

MAT



Vision Front 3014

ARD



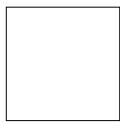
Vision Rear 2950

ARD



Vision Rear 2950

MAT



Vision Through 2051

FLS

FLS = double-sided glossy, ARD = double-sided matt, MAT = single-sided matt

Detailed information on the products deviating from the standard can be found in the current valid version of the delivery programme. Please contact your customer service representative.

INSTALLATION GUIDELINES

As a rule of thumb, the following indications should be considered when installing a projection screen:

- Viewing distance from the projector to the screen depends on the screen size and the projector itself.

As illustrative values:

Screen size = 50"/Viewing distance = 1.5 – 2.0 m, Screen size = 100"/Viewing distance = 2.6 – 4.5 m, Screen size = 120"/Viewing distance = 2.6 – 5.0 m

- Viewers' line of vision should be 1/3 of the height from the bottom of the screen.
These are only suggestions; space considerations will determine actual distances.



CRYLUX™ Optima

SPECIALLY DESIGNED TO BE USED WITH LED BACKLIGHTING

Light transmission of these colours has been adjusted to the wavelength of the light-emitting diode (LED), minimising the number of LED lights needed to achieve the desired light intensity.

CRYLUX™ Optima also has high light diffusion properties, providing a perfect light spread through the sheet, avoiding any distracting shadows from the LED lights which are placed behind.

The sheets are ideal for applications in the advertising and sign industries, to put your designs in perspective.

CHARACTERISTICS

- Smooth or matt surface
- Specially designed to be used with LED backlighting
- Light transmission of these colours has been adjusted to the desired wavelength of the LEDs
- To achieve the light intensity, only a small number of LEDs is required
- Excellent light diffusion properties
- Perfect light spread through the sheet
- Avoiding distracting shadows from the LED lights which are placed behind



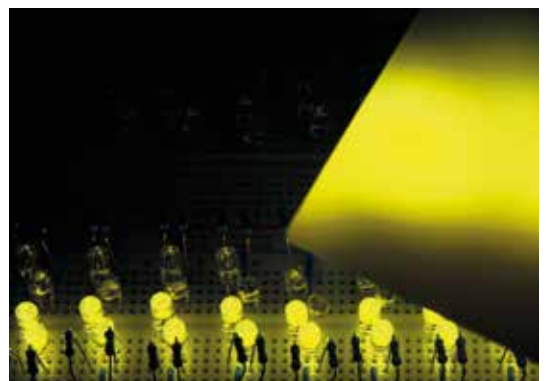
APPLICATIONS

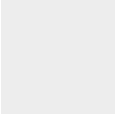






- POS/POP displays
- Signage
- Advertising



PROCESSING

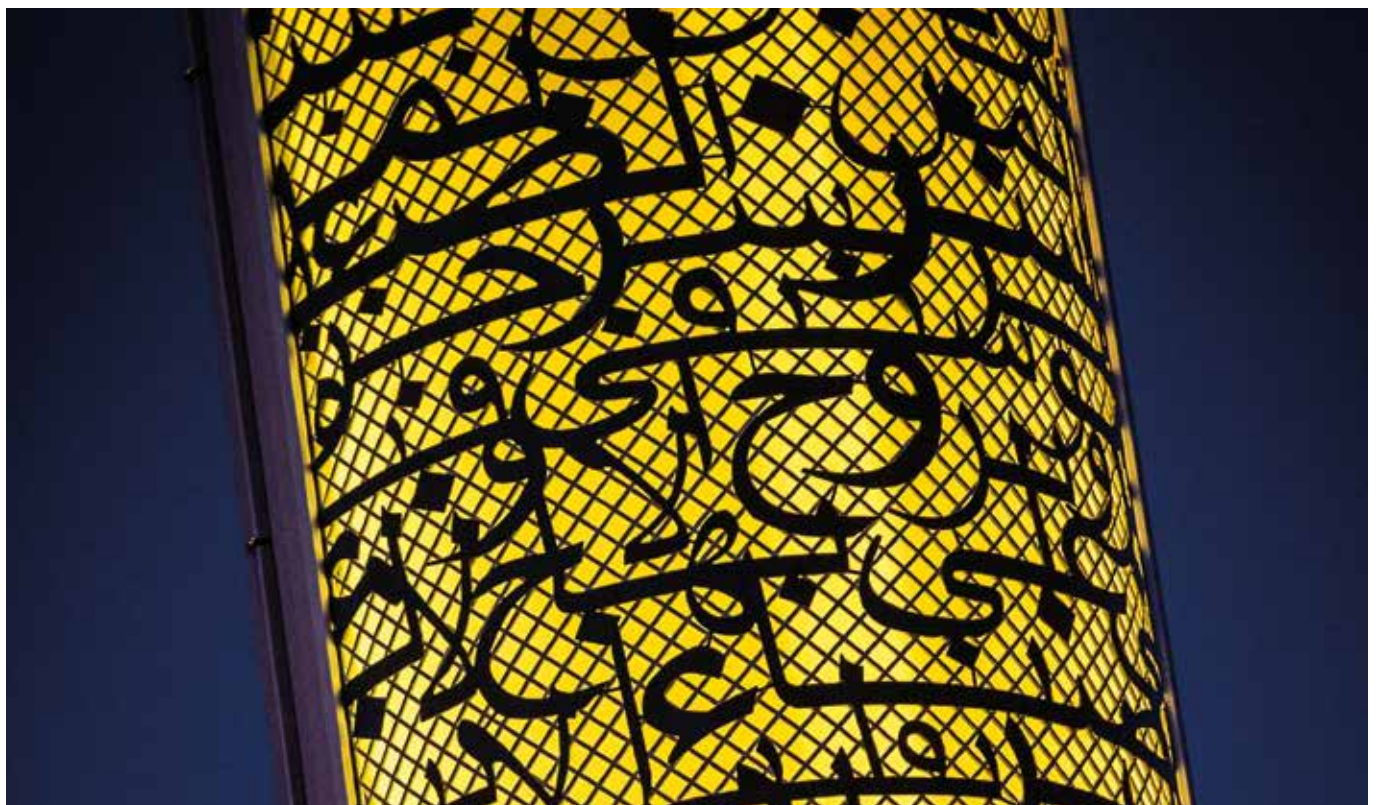
- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Bonding
- Welding
- Hot bending
- Thermoforming
- Tempering



	<p>White 2021 LED LT 59 %</p>		<p>Yellow 2250 LED LT 51 %</p>		<p>Orange 2251 LED LT 62 %</p>		<p>Orange-Amber 2350 LED LT 62 %</p>
	<p>Super-Red 2651 LED LT 58 %</p>		<p>True-Green 2550 LED LT 36 %</p>		<p>Blue 2851 LED LT 51 %</p>		

LT = Light transmission (Figures apply to 3 mm sheet thickness only and referred to emitting wavelength.)
The colours printed may vary from the original. To ensure exact colour matching please ask for a colour sample.

Detailed information on the products deviating from the standard can be found in the current valid version of the delivery programme.
Please contact your customer service representative.



CRYLUX™ Fluoedge

LIGHT COLOURED SHEETS WITH FLUORESCENT EDGES

CRYLUX™ Fluoedge is the range of transparent sheets with fluorescent edges. While the surface of the sheet appears to be clear, the edges are coloured to allow special effects with or without light.

Specially designed for the manufacture of furniture, table tops and shelves, the range of vivid edges allows it all for imagination and design.

CHARACTERISTICS

- Transparent, almost clear surface
- Vivid, coloured edges







APPLICATIONS

- Furniture
- Table Top
- Shelve
- Decoration
- Fashion designs

PROCESSING

- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Bonding
- Welding
- Hot bending
- Thermoforming
- Tempering



	Banana Yellow 1260 TRANSPARENT LT 86 %		Fiery Orange 1360 TRANSPARENT LT 82 %
	Schocking Pink 1660 TRANSPARENT LT 85 %		Lime Green 1580 TRANSPARENT LT 87 %
	Electric Blue 1860 TRANSPARENT LT 84 %		Wildflower Violet 1760 TRANSPARENT LT 85 %

LT = Light transmission (Figures apply to 3 mm sheet thickness only.)

The colours printed may vary from the original. To ensure exact colour matching please ask for a colour sample.

Detailed information on the products deviating from the standard can be found in the current valid version of the delivery programme.
Please contact your customer service representative.

CRYLUX™ Night & Day

IMPRESSIVE RESULTS – BY DAY AS WELL AS BY NIGHT

Colour change using the same sheet is possible with **CRYLUX™ Night & Day**. The sheets are ideal to produce corporate signs in indoor or outdoor applications.

Let it stand without light during the day, and it will be a dark sign or corporate letter on top of a roof or in the middle of a façade. When it is back-illuminated at night it will become into an outstanding white letter that is visible to all.

CHARACTERISTICS

- Changes colour from dark (without back-lighting) to white (with back-lighting)
- Top side is anti-glare and allows even light diffusion through the sheet
- Allows powerful lighting without generating hotspots

APPLICATIONS

- Corporate signs
- Illuminated letters

PROCESSING

- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Bonding
- Welding
- Hot bending
- Thermoforming
- Tempering



MAT = single-sided matt, LT = Light transmission (Figures apply to 3 mm sheet thickness only.)

The colours printed may vary from the original. To ensure exact colour matching please ask for a colour sample.

Detailed information on the products deviating from the standard can be found in the current valid version of the delivery programme. Please contact your customer service representative.



PROTECT

The product range **CRYLUX™ & PROTECT** provides optimal conditions for upgrading the materials and making them suitable for applications in extreme environments or for use in places where stringent hygiene standards must be met.

Application vary from laboratories, gyms, spas, sanitary facilities or cosmetic displays. Thanks to the special features of the UV radiation protection and the UV filter **CRYLUX™ & PROTECT** is perfectly suitable for use particularly in museums and solariums.

The final product can be customised to every need, in terms of colour (from transparent to opaque) and surface finish (different smooth or matt surfaces).

CRYLUX™ Beauté

ACRYLIC SHEETS WITH INCREASED CHEMICAL RESISTANCE

CRYLUX™ Beauté is specially designed to have a better chemical resistance and is therefore ideal for enhancing and protecting cosmetic displays and medical applications.

The product range shows improved performance in terms of inner stress after going through various manipulation techniques such as laser cutting, flame polishing, hot bending, drilling, milling and screen printing.

When it comes to your design – any colour, from transparent to opaque, and with the added choice of a smooth or matt finish – **CRYLUX™ Beauté** will preserve it for years to come.

CHARACTERISTICS

- More resistant to chemicals, solvents, alcohols
- Wide range of colour references – from transparent to opaque
- Smooth or matt surface
- Resistant to UV rays
- Colourless additive (can be added to any colour)

APPLICATIONS

- Cosmetic displays
- External medical applications
- POS/POP displays for perfumes and chemical agents
- Laboratory applications

PROCESSING

- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Bonding (When using with standard solvent acrylic glues, increased contact time will be required)
- Welding
- Hot bending
- Thermoforming
- Tempering



CRYLUX™ Beauté can be produced in any color and in any thickness, depending on the product range.



CRYLUX™ Anti-Bacteria

WITH ANTI-MICROBIAL AND FUNGICIDE PROTECTION

Thanks to the anti-microbial and fungicide protection, **CRYLUX™ Anti-Bacteria** is the ideal material for places, where extreme hygienic conditions are required.

With a special additive which blocks the development of micro-organisms, **CRYLUX™ Anti-Bacteria** increases the level of hygiene in specific areas, eliminates the development of odours and dark stains. Die Produkte von **CRYLUX™ Anti-Bacteria** überstehen auch intensiven Kontakt mit Wasser unbeschadet.

Thermoforming is yet another strength of this product range. Thanks to the low migration with temperature, the material can be thermoformed without modifying its anti-microbial properties.

CHARACTERISTICS

- Protects against and inhibits growth of active fungi, algae and bacteria – meaning no odours or dark surface stains
- Evaluated in a biological laboratory using the standard ISO 846:1997
- Water insoluble, therefore unaffected by prolonged washing
- Colourless additive (can be added to any colour)
- Mechanical properties are not modified compared to sanitary material
- Not suitable for application in direct contact with foodstuff
- High chemical resistance and thermoformability
- Low migration with temperature



APPLICATIONS

- Hygienic furniture (medical and laboratory equipment)
- Sanitary ware (wall panels, shower trays and bath tubs)
- Gyms
- Spas
- Public lavatories



PROCESSING

- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Bonding
- Welding
- Hot bending
- Thermoforming
- Tempering



CRYLUX™ Anti-Bacteria can be produced in any color and in any thickness, depending on the product range.



CRYLUX™ UVP

FOR APPLICATIONS IN EXTREME UV EXPOSURE

CRYLUX™ UVP (extra ultraviolet protection) is highly protected against UV radiation. Not only does **CRYLUX™ UVP** show higher absorption, but this effect is longer lasting than for the standard.

Therefore, this product is especially suitable for outdoor applications, for final parts that are long and directly exposed to sunrays (e.g. marine applications) or for colours and images that require special protection. Due to the complete absorption of UV-A rays, the fading of colours in paintings and images can be prevented (e.g. in museums).

CRYLUX™ UVT

THE PERFECT FILTER FOR UV LIGHT

CRYLUX™ UVT is transparent to UV-A radiation (UV-transmitted) and partially to UV-B radiation. For applications like sunbeds/solariums, the sheets must let part of the UV radiation through. **CRYLUX™ UVT** does, but it is opaque to the high energy UV radiation thus prevents fast material degradation.







Polycasa N.V.
Van Doornelaan 2A
2440 Geel, Belgium
www.display.3AComposites.com
A member of 3A Composites