

DELIVERY  
PROGRAM  
2017-2018

MADREPERLA S.P.A.  
CAST ACRYLIC SHEETS

THEO PROFIL  
A brand like a benchmark!



  
MADREPERLA



All products of this delivery program  
made available in

**green**  **cast**

with MOQ (minimum quantity order).



**THEOPROFIL**  
A brand like a benchmark!

  
MADREPERLA

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by brand likes benchmark!

# CERTIFICATIONS AND MEMBERSHIPS



## MEMBER OF:



**EPDA**

European Plastics Distributors Association



**IAPD**

International Association of Plastic Distribution

# TECHNICAL CONDITIONS

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## Technical conditions:

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Our sheets are produced in accordance to ISO 7823.1.

## Cut-to-size sheets:

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On request, we can supply cut-to-size sheets with minimum surface required 400cm<sup>2</sup>.

## Tolerances on size:

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The Tolerances are as follows:

- standard sizes: 0/+ 10mm.
- cut to size +/- 1mm/lm

## Squared cutting:

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On request we can supply squared cuttings.

## Untrimmed sheets:

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Our cast acrylic sheets can be supplied untrimmed. Minor defects may occur in the oversize. Only net dimensions will be charged to the customer. The untrimmed size of the sheets is around 40mm bigger than the trimmed one.

## Color formulation:

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Slight differences may occur in shade between different production batches of the same color, caused by different pigments batches, although every care has been put in production.

It is recommended not to use different production batches for the same fabrication.

## Out of standard items:

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Other thicknesses, dimensions and colors can be produced on request with minimum order quantities – please see page 32. The order is accepted for the smallest production batch.

We have a large number of color formulation ready, don't hesitate to contact us for information about color matching.

## Light transmission:

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Light transmission remains constant from 3mm to 10mm

## Storage:

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The correct way to store acrylic sheets is to place them horizontally, on the supplied flat bulk skids, in a well ventilated, consistent temperature area. Avoid storing acrylic sheets where extreme variations in temperature may occur. Extreme temperature changes expand or contract the acrylic sheets.

Special vertical racks can be used to store the sheets vertically. The rack should allow the sheets to lean approximately 10° (gradient).

## Standard protection:

The side with printed logos identifies the side to be used as viewside (guaranteed side).

The film is thermoformable for all Setacryl® sheets (glossy surface), but customers should perform a trial before use. The film protecting Polarlite®, Satinglas® and Setasand®, Stone®, Seta-LETTER® sheets (satin and frost surfaces) is not suitable for thermoforming.

All protection films are suitable for laser cutting.

In order to preserve the sheet from scratches, avoid sliding sheets across work surface debris. Dirt can penetrate the masking, scratching the sheet.

## Cleaning:

Acrylic sheets can be cleaned using a mild soap solution or a specific plastic cleaner, combined with a lint free cloth. To remove grease, oil, or tar use hexane or kerosene followed by a mild soap solution.

Avoid cleaners containing alcohol or ammonia.

## Safety:

Acrylic is a combustible thermoplastic that will ignite when in contact with any source of ignition. Unlike other polymers, does not produce toxic or corrosive gases and produces very little smoke. Production of molten droplets is reduced compared to extruded sheets.

When storing acrylic sheets, be aware of the material properties.

Madreperla acrylic sheets classify:

- HB according to UL94
- E according to EN 13501

## Thickness tolerances:

The sheets are produced following ISO 7823.1.

The thickness tolerance can vary also on the single sheet.

Formula to calculate the thickness tolerance, Where "s" is the nominal thickness in mm :

$$\pm (0,4 + (0,1 \times s))$$

Following the formula, the following thickness tolerances are accepted for cast acrylic sheet complying with ISO 7823.1:

Thickn. in mm	3 mm	4mm	5mm	6mm	8mm	10mm	12mm	15mm	18mm	20mm	25mm
	+/- 0,7	+/- 0,8	+/- 0,9	+/- 1	+/- 1,2	+/- 1,4	+/- 1,6	+/- 1,9	+/- 2,2	+/- 2,4	+/- 2,9
Thickn. in inches	0.118	0.157	0.196	0.236	0.315	0.393	0.472	0.590	0.780	0.787	0.985
Sheet size in feet	6.66 x 10.006			6.627x9.908				6.56x9.842			

# TECHNICAL PARAMETERS

## TECHNICAL PARAMETERS

GENERAL PROPERTIES	MM	TEST STANDARD	UNIT	VALUE
Density		ISO 1183	g/cm <sup>3</sup>	1,19
Water absorption 24 hrs	4	ISO R 62 / DIN 53495	%	0,3
Water absorption 8 days	4	ISO R 62 / DIN 53495	%	0,5
Max.Water absorption 1200 hrs.	3	Internal	%	1,75

MECHANICAL PROPERTIES	MM	TEST STANDARD	UNIT	VALUE
Poisson's ratio	4	ISO 527-1		0,39
Tensile strength at 23°C	4	ISO 527-2/1B/5	Mpa	76
Modulus of elasticity at 23°C	4	ISO 527-2/1B/1	MPa	3300
Elongation at break at 23°C	4	ISO 527-2/1B/5	%	6
Flexural strength	4	ISO 178	MPa	130
Notched impact strength (Izod)	4	ISO 180/1A	KJ/m <sup>2</sup>	1,4
Impact strength (Charpy)	4	ISO 179/1	KJ/m <sup>2</sup>	12
Rockwell Hardness M scale	4	ISO 2039-2		100
Compressive yield stress	4	ISO 604	MPa	130

ELECTRICAL PROPERTIES	MM	TEST STANDARD	UNIT	VALUE
Dielectric strength		DIN 53481	KV/mm	20 to 25
Volume resistivity		DIN 53482	ohm x cm	> 10 <sup>15</sup>
Dielectric constant to 50 Hz		DIN 53483		3,7
Dielectric constant to 1 MHz		DIN 53483		2,6

OPTICAL PROPERTIES	MM	TEST STANDARD	UNIT	VALUE
Transmittance	3-10	ISO 4892-1 / DIN 5036	%	> 92
Haze (on colorless material)		ASTM D 1003	%	<0.5
Refractive index		ISO 4892 / DIN 53491		1,492



**TECHNICAL PARAMETERS**

<b>THERMAL PROPERTIES</b>	<b>MM</b>	<b>TEST STANDARD</b>	<b>UNIT</b>	<b>VALUE</b>
Coefficient of linear thermal expansion		ISO EN 2155-1	mm/m/°C	0,065
Thermal conductivity		DIN 52612	W/m/°C	0,17
Specific heat		ASTM C 351	J/g/°C	1,35
Vicat softening temperature		ISO R 306 Method B50	°C	> 108
Heat deflection temperature under load (HDT)		ISO 75/A	°C	102
Dimensional Change on heating (shrinkage)			%	2,5
Permanent service temperature			°C	80

<b>THERMOFORMING PARAMETERS</b>	<b>MM</b>	<b>TEST STANDARD</b>	<b>UNIT</b>	<b>VALUE</b>
Forming oven temperature			°C	130-190
Max heating temperature			°C	200
Max linear shrinkage after heating thick.<3mm			%	2

<b>FLAMMABILITY TEST</b>		<b>TEST STANDARD</b>	<b>UNIT</b>	<b>VALUE</b>
Ignition temperature	BRD	DIN 51794	°C	450 circa
Fire rating	BRD	DIN 4102		B2, normally flammable
	France	NF P 9250		M4
	UK	BS 476 Part.7		class 3
	Europe	EN 13501-1:2009		E
	USA	UL 94		HB
Melt behavior when burning	France	NF P 92505		non dripping 3mm

# SETACRYL® – CAST ACRYLIC SHEETS GLOSSY SURFACE

A wide range of colors to offer a wide range of possibilities to our clients: Classic clear, opals and whites with different grades of light transmission, wide range of opal and transparent colors, including smoked and fluorescents options.

## CHARACTERISTICS

- 8 to 10 times higher resistance to impact than glass
- high resistance to external agents and UV rays
- easy to work
- classic clear, with 92% of light transmission, better than the one of glass.

## APPLICATIONS

Visual communication, POP, shopfitting, furnishing, signs, noise barriers, windshields

### SETACRYL® - CLEAR

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
1000	Clear	1	600 x 1200	92
1000	Clear	1,5	1500 x 2100	92
1000	Clear	2	1220 x 2020	92
1000	Clear	2,5 - 3 - 4 - 5	1525 x 2030 2030 x 3050	92
1000	Clear	6 - 8 - 10 - 12 - 15	1510 x 2020 2020 x 3020	92
1000	Clear	18 - 20 - 25	2000 x 3000	92



# SETACRYL® – CAST ACRYLIC SHEETS GLOSSY SURFACE

## SETACRYL® - OPALS & WHITE

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
2005	Opal White	3	2030 x 3050	84
2009	Opal White	3 - 4 - 5	2030 x 3050	70
2002	Opal White	3 - 4 - 5	2030 x 3050	48
2008	Opal White	3 - 4 - 5 6 - 8 - 10	2030 x 3050 2020 x 3020	40
2007	Opal White	3 - 4 - 5	2030 x 3050	34
2006	Opal White	3 - 4 - 5 6 - 8 - 10	2030 x 3050 2020 x 3020	32
2000	Opal White	3 - 4 - 5	2030 x 3050	29
2001	Opal White	3 - 4 - 5 6 - 8 - 10	2030 x 3050 2020 x 3020	25
4000	Opal White	3 - 4 - 5 6 - 8 - 10	2030 x 3050 2020 x 3020	10
4013	Dense White	3 - 4 - 5 6 - 8 - 10 - 12 - 15	2030 x 3050 2020 x 3020	4
4002	Dense White	3 - 5 10	2030 x 3050 2020 x 3020	0

### Information for all Madreperla's products:

Light transmission is measured in % as a typical value on the nominal thickness of 3mm.  
Constant from 3mm to 10mm.  
Eventual changes do not imply any liability.

For all information about light transmission on all produced thicknesses contact us at:  
madreperla@madreperlaspa.com, or contact your dedicated sales assistant.

### Informations for all Madreperla's products:

The sheets are produced following ISO 7823.1.  
The thickness tolerance can vary also on the single sheet.

Formula to calculate the thickness tolerance:

+/- (0,4 + (0,1 x s))

Where "s" is the nominal thickness in mm  
(please see page 7.)

# SETACRYL® – CAST ACRYLIC SHEETS GLOSSY SURFACE

## SETACRYL® - TRANSLUCENT COLORS

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
2218	Champagne	3	2030 x 3050	38
2011	Gold yellow	3	2030 x 3050	25
2210	Yellow	3	2030 x 3050	22
2211	Sunflower yellow	3	2030 x 3050	20
2013	Sun yellow	3	2030 x 3050	31
2016	Orange yellow	3	2030 x 3050	19
2012	Orange	3	2030 x 3050	11
2033	Bright red	3	2030 x 3050	7
2034	Dark red	3	2030 x 3050	3
2036	Brilliant red	3	2030 x 3050	8
2038	Cherry red	3	2030 x 3050	6
2232	Brilliant red	3	2030 x 3050	6
2231	Cardinal red	3	2030 x 3050	6
2237	Bordeaux	3	2030 x 3050	1
2049	Fuchsia	3	2030 x 3050	12
2239	Violet	3	2030 x 3050	6
2054	Medium green	3	2030 x 3050	6
2056	Mint green	3	2030 x 3050	23
2057	Apple green	3	2030 x 3050	5
2058	Brilliant green	3	2030 x 3050	22
2059	English green	3	2030 x 3050	5
2251	Light green	3	2030 x 3050	9
2065	Blue turquoise	3	2030 x 3050	6
2063	Bright blue	3	2030 x 3050	6
2067	Sea blue	3	2030 x 3050	6
2060	Medium blue	3	2030 x 3050	3
2061	Navy blue	3	2030 x 3050	5
2261	Gentian blue	3	2030 x 3050	6
2360	Night blue	3	2030 x 3050	2



# SETACRYL® – CAST ACRYLIC SHEETS GLOSSY SURFACE

## SETACRYL® - DENSE COLORS

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
4007	Ivory	3	2030 x 3050	6
4074	Grey	3	2030 x 3050	1
4027	Brown	3	2030 x 3050	1
4881	Black	3 - 4 - 5 6 - 8 - 10 - 15 20	2030 x 3050 2020 x 3020 2000 x 3000	0

## SETACRYL® - TRANSPARENT COLORS

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
1005	Glasslook	3 - 4 - 5 6 - 8 - 10	2030 x 3050 2020 x 3020	91
1014	Yellow	3	2030 x 3050	84
1013	Orange	3	2030 x 3050	38
1232	Fuchsia	3	2030 x 3050	29
1039	Red	3 8 - 15	2030 x 3050 2020 x 3020	13
1041	Vermillion red	3 - 5	2030 x 3050	6
1231	Lavande	3	2030 x 3050	57
1050	Green grass	3	2030 x 3050	61
1056	Grey green	3	2030 x 3050	45
1059	Green grass	3	2030 x 3050	20
1061	Sky blue	3	2030 x 3050	76
1062	Torquoise blue	3 - 5	2030 x 3050	64
1072	Royal blue	3 - 5	2030 x 3050	8



# SETACRYL® – CAST ACRYLIC SHEETS GLOSSY SURFACE

## SETACRYL® - SMOKED COLORS

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
1021	Light brown	3 - 4 - 5 6 - 8 - 10	2030 x 3050 2020 x 3020	55
1025	Medium brown	3 - 5	2030 x 3050	19
1029	Brown	3 6 - 8	2030 x 3050 2020 x 3020	21
1040	Dark brown	3 - 5	2030 x 3050	24
1046	Violet grey	3	2030 x 3050	43
1075	Light grey	3 - 5 8	2030 x 3050 2020 x 3020	50
1084	Medium grey	3	2030 x 3050	45
1087	Grey green	3 - 5 8	2030 x 3050 2020 x 3020	24
1270	Light grey	8 - 10 - 12 - 15	2020 x 3020	32

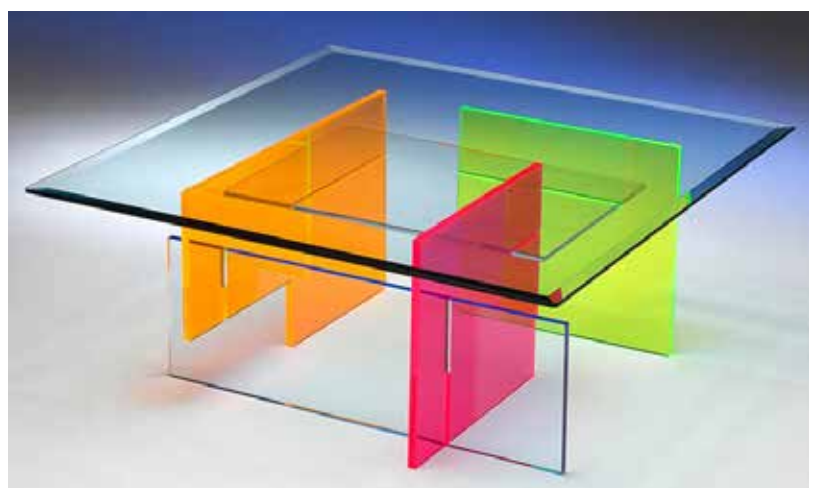
## SETACRYL® - FLUORESCENT COLORS

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
1112	Yellow	3	2030 x 3050	72
1137	Brilliant red	3	2030 x 3050	31
1138	Orange	3	2030 x 3050	50
1131	Red	3	2030 x 3050	37
1134	Red	3	2030 x 3050	12
1150	Green	3	2030 x 3050	87
1161	Blue	3	2030 x 3050	86

### [Information for all Madreperla's products:](#)

Light transmission is measured in % as a typical value on the nominal thickness of 3mm. Constant from 3mm to 10mm. Eventual changes do not imply any liability.

For all information about light transmission on all produced thicknesses contact us at: [madreperla@madreperlaspa.com](mailto:madreperla@madreperlaspa.com), or contact your dedicated sales assistant.



# POLARLITE® – CAST ACRYLIC SHEETS ONE SIDE MAT

4 Classic colors one side mat effect and one side glossy.

Polarlite® has a “soft touch” finish that makes it suitable for sophisticated applications.

Polarlite® Night&Day allows the creation of sophisticated signs, giving the possibility of having 2 colors in the same product:

- black when not backlighted
- white at night when backlighted

## CHARACTERISTICS

- 8 to 10 times higher resistance to impact than glass
- high resistance to external agents and UV rays
- easy to work (bend, glue, thermoforming, milling)

## APPLICATIONS

lighting, prestigious advertising displays, shop fitting, partition walls

### POLARLITE® – CAST ACRYLIC SHEETS ONE SIDE MAT

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
5000	Clear	3 - 4 - 5 6 - 8 - 10	2030 x 3050 2020 x 3020	89
5005	Glasslook	3 - 4 - 5 6 - 8 - 10	2030 x 3050 2020 x 3020	86
6002	Opal white	3 - 5	2030 x 3050	47
8881	Black	3 - 5 8	2030 x 3050 2020 x 3020	0

### POLARLITE® Night&Day – CAST ACRYLIC SHEETS ONE SIDE MATT

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
6080	Night&Day	3 - 5	2030 x 3050	12

#### Information for all Madreperla's products:

Light transmission is measured in % as a typical value on the nominal thickness of 3mm.

Constant from 3mm to 10mm.

Eventual changes do not imply any liability.

For all information about light transmission on all produced thicknesses contact us at: madreperla@madreperlaspa.com, or contact your dedicated sales assistant

#### Informations for all Madreperla's products:

The sheets are produced following ISO 7823.1.

The thickness tolerance can vary also on the single sheet.

Formula to calculate the thickness tolerance:  
+/- (0,4 + (0,1 x s))

Where “s” is the nominal thickness in mm  
(please see page 7)

# SETACRYL® FOOD CONTACT – CONTACT WITH FOOD

Setacryl® Food contact is the cast acrylic sheet developed to encounter the new European Regulations that apply to materials and articles made of plastics and intended to come in contact with food.

Our Setacryl® Food contact sheets:

- are guaranteed for food contact applications and are compatible with aqueous solutions, alcohol (up to 15%), fatty and oily foods.
- do not contain Bisphenol A

Conformity certificate is provided directly from our sales office for every production batch:

- Regulation UE N. 10/2011 and European national Regulations .

## CHARACTERISTICS

- 8 to 10 times higher resistance to impact than glass
- high resistance to external agents and UV rays
- easy to work

## APPLICATIONS

Production of food display counter, food containers, sweets distributors and tableware.

### SETACRYL® FOOD CONTACT

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
16000	Clear	upon request	2030 x 3050 2020 x 3020 2000 x 3000	92
16007	Opal White	upon request	2030 x 3050 2020 x 3020 2000 x 3000	35
16886	Black	upon request	2030 x 3050 2020 x 3020 2000 x 3000	0

For minimum quantities information please check page 32





# SETAPARFUM® – IMPROVED RESISTANCE TO CHEMICALS

For applications requiring an improved resistance to solvents and chemicals and it eliminates the “crazing” effect.

Tests conducted in our laboratories show that under certain conditions Setaparfum® is 40 times more resistant than extruded acrylic sheets and 5 to 6 time more resistant than standard cast acrylic sheets, based on internal “crazing” test.

Please ask our sales team for the new recent test performed for product resistance.

## CHARACTERISTICS

- improved resistance to chemicals and solvents.
- from 8 to 10 times higher resistance to impact than glass
- high resistance to external agents and UV rays
- easy to work.

## APPLICATIONS

ideal for POP and displays solutions destined to the cosmetic world.

### SETAPARFUM® - IMPROVED RESISTANCE TO CHEMICAL AGENTS

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
11000	Clear	3 – 5 10	2030 x 3050 2020 x 3020	92
14000	Dense white	On request	2030 x 3050 2020 x 3020 2000 x 3000	10
14881	Black	3	2030 x 3050	0

For minimum quantities information please check page 32

## NEW: Green Cast® Setaparfum 1600

Green Cast® Setaparfum 1600 is the new standard range, an improved version of our classic product Setaparfum®.

Higher resistance to chemical products and solvents.

For all information: Page 31 under the Green Cast® section

# SETA-LED® – CAST ACRYLIC SHEETS FOR LED BACKLIGHTING

Seta – LED® is an optimized cast acrylic sheet, developed to maximize LED lighting properties: Seta- LED® sheets allow:

- a high light transmission
- a high diffusing power
- elimination of the “spot effect”, typical of LED’s
- reduction of LED modules used, compared to a standard PMMA screen
- reduction of the distance between PMMA screen and LED source
- colors are formulated to meet the wavelength of LED : the sheets maintain the same tone when backlighted and when not backlighted

## CHARACTERISTICS

- formulated to meet the wavelength of LED’s.
- 8 to 10 times higher resistance to impact than glass
- high resistance to external agents and UV rays
- easy to work

## APPLICATIONS

Signs, lighting, visual communication (displays, POP, Totems)

### SETA-LED® – LED BACKLIGHTING

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
17000	Opal White	3 - 5	2030 x 3050	62
17001	Opal White	3 - 5	2030 x 3050	53
17200	Opal Yellow	3	2030 x 3050	12
17300	Opal Red	3	2030 x 3050	8
17500	Opal Green	3	2030 x 3050	24
17600	Opal Blue	3	2030 x 3050	7

### NEW SETA-LED® – TWO SIDES MAT – LED BACKLIGHTING

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
57000	Opal White	3	2030 x 3050	60



**SETA – LED® 57000  
TWO SIDES MAT:  
IMPROVED LIGHT  
DIFFUSION AND  
PERFECT SHIELD  
FOR LASER  
MARKED SHEETS.**

#### Information for all Madreperla’s products:

Light transmission is measured in % as a typical value on the nominal thickness of 3mm. Constant from 3mm to 10mm. Eventual changes do not imply any liability.

For all information about light transmission on all produced thicknesses contact us at: [madreperla@madreperlaspa.com](mailto:madreperla@madreperlaspa.com), or contact your dedicated sales assistant

# SETA-LETTER® – CAST ACRYLIC SHEETS ONE SIDE MAT DENSE COLORS

Seta-LETTER® dense colored one side mat cast acrylic sheets, ideal for the creation of logos, letters and advertising signs.

Letters and Logos can be easily laser cut or milled, offering customers the possibility to choose:

- their favorite color within the range of 11 standard colors
- a glossy or mat surface

## CHARACTERISTICS

- 8 to 10 times higher resistance to impact than glass
- high resistance to external agents and UV rays
- easy to work

## APPLICATIONS

Signs, shop fitting, visual communication, furniture

### SETA-LETTER® – ONE SIDE MAT DENSE COLORS

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
8004	White	8 18	2020 x 3020 2000 x 3000	1
8019	Yellow	8	2020 x 3020	1
8054	Green	8	2020 x 3020	1
8055	Green	8	2020 x 3020	1
8072	Grey	8	2020 x 3020	1
8130	Red	8	2020 x 3020	1
8134	Dark red	8	2020 x 3020	1
8160	Medium blue	8	2020 x 3020	1
8162	Blue	8	2020 x 3020	1
8163	Dark blue	8	2020 x 3020	1
8881	Black	8 18	2020 x 3020 2000 x 3000	0

### Information for all Madreperla's products:

Viewside: the film with printed logo identifies the viewside (guaranteed side)



# SATINGLAS® – CAST ACRYLIC SHEETS BOTH SIDES MAT

Cast acrylic sheets with a double satin texture , that gives a velvety, elegant appearance.

## CHARACTERISTICS

- 8 to 10 times higher resistance to impact than glass
- high resistance to external agents and UV rays
- easy to work
- Anti glare effect
- velvet touch
- perfect light diffusion when backlighted thanks to the satin finish

## APPLICATIONS

Visual communication, POP, shopfitting, interior design signs, lighting thanks to its diffusing power

### SATINGLAS® - BOTH SIDES MAT

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
51000	Clear	3 - 4 - 5	2030 x 3050	85
		6 - 8 - 10 - 15	2020 x 3020	
		20	2000 x 3000	
51100	Opal	3 - 4 - 5	2030 x 3050	70
		6 - 8 - 10 - 15	2020 x 3020	
51505	Glasslook	3 - 5	2030 x 3050	83
		8 - 10	2020 x 3020	
51255	Green papyrus	3 - 5 8	2030 x 3050 2020 x 3020	53
51254	Green cactus	3 - 5	2030 x 3050	28
51217	Acid yellow	3 - 5	2030 x 3050	68
51013	Orange	3 - 5	2030 x 3050	37
		10	2020 x 3020	
51238	Pink	3	2030 x 3050	37
51237	Fuchsia	3 - 5	2030 x 3050	30
		8 on request	2020 x 3020	
51032	Red	3 - 5	2030 x 3050	25
51233	Red cherry	3 - 5	2030 x 3050	15
		10 on request	2020 x 3020	
51236	Bordeaux	3 - 5	2030 x 3050	19
51361	Pervinca	3 - 5	2030 x 3050	75
		8 on request	2020 x 3020	
51360	Pavone	3 - 5	2030 x 3050	50
51362	Night blue	3 - 5	2030 x 3050	17
		8 on request - 10	2020 x 3020	
51231	Violet	3 - 5	2030 x 3050	47
51310	Apricot	3	2030 x 3050	55
		6	2020 x 3020	
51221	Champagne	3	2030 x 3050	56
		6 - 8 (8mm on request)	2020 x 3020	

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
51076	Smoke	3 8	2030 x 3050 2020 x 3020	15
52255	Acqua	3 - 5	2030 x 3050	65
52258	Lime	3 6	2030 x 3050 2020 x 3020	45

#### SATINGLAS® - BOTH SIDES MAT - SPECIALITIES

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
54000	Snow	3 - 5 8 - 10	2030 x 3050 2020 x 3020	8
54881	Black	3 - 5 8 - 10	2030 x 3050 2020 x 3020	0

#### SATINGLAS® - BOTH SIDES MAT - FLUORESCENT COLORS

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
51116	Liza orange	3	2030 x 3050	70
51134	Liza red	3	2030 x 3050	11

#### Information for all Madreperla's products:

Light transmission is measured in % as a typical value on the nominal thickness of 3mm.

Constant from 3mm to 10mm.

Eventual changes do not imply any liability.

For all information about light transmission on all produced thicknesses contact us at: madreperla@madreperlaspa.com, or contact your dedicated sales assistant

#### Information for all Madreperla's products:

The sheets are produced following ISO 7823.1.

The thickness tolerance can vary also on the single sheet.

Formula to calculate the thickness tolerance:

+/- (0,4 + (0,1 x s))

Where "s" is the nominal thickness in mm

(please see page 7.)



# SETASAND® – CAST ACRYLIC SHEETS BOTH SIDES FROSTED

Setasand® cast acrylic sheets have a sandblasted texture on both sides. The texture combined with the intrinsic hardness of PMMA, allow to have a material dedicated to applications where a higher performance is required.

## CHARACTERISTICS

- high resistance to scratches
- no visible fingerprints on the surface
- reduced attraction of dust
- when thermoformed doesn't lose texture
- high resistance to external agents and UV rays
- easy to work

## APPLICATIONS

Visual communication, POP, shopfitting, interior design and furnishing, signs, lighting, partition walls

### SETASAND® - BOTH SIDES FROSTED

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
21000	Cristal	3 - 4 - 5 6 - 8 - 10	2030 x 3050 2020 x 3020	82
21005	Glasslook	3 - 5	2030 x 3050	77
22005	Ice	On request	2030 x 3050	72
22009	Anis	3	2030 x 3050	65
22264	Babyblue	3	2030 x 3050	54
21264	Sardinia	3	2030 x 3050	78
22265	Acquaglass	3	2030 x 3050	51
21072	Night blue	3	2030 x 3050	7
21252	Esmerald	3	2030 x 3050	47
22233	Pink	3	2030 x 3050	50
21232	Fuchsia	3 - 5	2030 x 3050	21
21032	Firelook	3	2030 x 3050	23
21212	Sunflower	3	2030 x 3050	61
21019	Orange	3	2030 x 3050	56
22240	iris	On request	2030 x 3050	53
21033	Lavande	3	2030 x 3050	48



# METALLIC® – CAST ACRYLIC SHEETS

Metallic effect, with a wide range of different colors, it can substitute any real metal, combining elegance and the workability of acrylic.

## CHARACTERISTICS

- 8 to 10 times higher resistance to impact than glass
- high resistance to external agents and UV rays
- easy to work

## APPLICATIONS

Visual communication, POP, shop fitting, interior design, signs

METALLIC®				
COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	
4084	Pearl	3 - 5	1540 x 2030	
4785	Aluminum	3 - 5	1540 x 2030	
4789	Titanium	3 - 5	1540 x 2030	
4193	Gold	3 - 5	1540 x 2030	
4260	Antique gold	3 - 5	1540 x 2030	
4262	Copper	3 - 5	1540 x 2030	
4263	Turtledove	3	1540 x 2030	
4285	Bronze	3 - 5	1540 x 2030	
4090	Black	3 - 5	1540 x 2030	

METALLIC® MAT				
COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	
8260	Antique Gold	3	1540 x 2030	
8785	Aluminium	3 - 5	1540 x 2030	

### Information for all Madreperla's products:

Viewside: the film with printed logo identifies the viewside (guaranteed side)



## METALLIC® IRO – FOR EXTERNAL USE

**NEW:** Two special colors developed with a special metallic pigments, which allow the sheets to be externally used, giving a very high UV resistance.

### METALLIC® IRO

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm
44785	Aluminum	3 - 5	1540 x 2030
44193	Gold	3 - 5	1540 x 2030

## METALLIC® IRIDIS – IRIDESCENT EFFECT

Three different iridescent colors, which are enhanced thanks to subtle games of light

### METALLIC® IRIDIS - IRIDESCENT EFFECT

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm
40030	White/Pink	3	1540 x 2030
40050	White/Green	3	1540 x 2030
40060	White/Blue	3	1540 x 2030

## STONE®

Special one side matt product, that takes inspiration from natural materials and stones.

### STONE®

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm
44401	White	3	1540 x 2030
44411	Light grey	3	1540 x 2030
44410	Cement	3	1540 x 2030
44420	Bresilien	3	1540 x 2030
44440	Ardesia	3	1540 x 2030

Thicknesses on request for all Metallic ranges : from 6mm to 10mm  
Please contact us for weather resistance and information about external use.



# NACRÉ®

**NEW:** The last born in the wide range of Madreperla's products. With Nacré® the company goes back to its roots, when the company was producing buttons with a mother of pearl effect.

## NACRÉ® - MOTHER OF PEARL EFFECT

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm
45100	White	3	1540 x 2030
45110	Natural	3	1540 x 2030
45120	Ivory	3	1540 x 2030
45200	Light grey	3	1540 x 2030
45410	Blush	3	1540 x 2030

## NACRÉ® - MOTHER OF PEARL EFFECT - OUT OF STANDARD COLORS

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm
45210	Dark grey	Upon request	1540 x 2030
45300	Gold	Upon request	1540 x 2030
45330	Bronze	Upon request	1540 x 2030
45360	Brown	Upon request	1540 x 2030
45430	Orange	Upon request	1540 x 2030
45460	Bordeaux	Upon request	1540 x 2030
45500	Green	Upon request	1540 x 2030

Thicknesses on request for all Metallic ranges: from 6mm to 10mm

### Information for all Madreperla's products:

Viewside: the film with printed logo identifies the viewside (guaranteed side)



# SETAPAN®

## ECO-FRIENDLY:

Setapan® is ideal for vertical panels, such as kitchen doors, bath furniture. The high gloss surface is an alternative to lacquered panels.

## CHARACTERISTICS

- totally recyclable, non toxic
- color stability
- UV resistant
- does not absorb stains of drinks, oils, detergents
- easy to clean
- high resistance to scratches and abrasion
- easy to work

## APPLICATIONS

- shop fitting
- kitchen doors as an alternative to lacquered panels
- bath furniture
- wall coverings for showers

## SETAPAN® - SOLID SURFACE

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
25102	Neve	3	2030 x 3050	0
		18	2000 x 3000	
25200	Nuvola	3	2030 x 3050	0
		18	2000 x 3000	
25201	Fango	3	2030 x 3050	0
		18	2000 x 3000	
25202	Ardesia	3 on request	2030x3050	0
		18	2000x3000	
25400	Talpa	3 on request	2030x3050	0
		18	2000x3000	
25700	Night	3	2030 x 3050	0
		18	2000 x 3000	

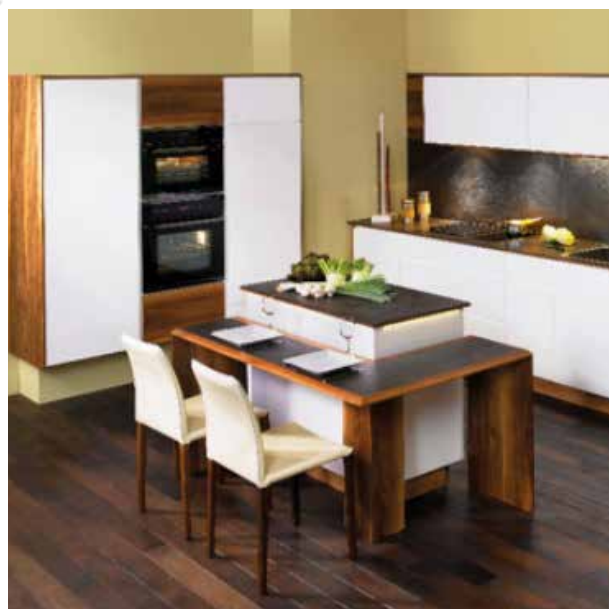


**SETAPAN® - SOLID SURFACE – OUT OF STANDARD COLORS**

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
25103	Cream	Upon request	2030 x 3050 2020 x 3020 2000 x 3000	0
25300	Banana	Upon request	2030 x 3050 2020 x 3020 2000 x 3000	0
25303	Orange	Upon request	2030 x 3050 2020 x 3020 2000 x 3000	0
25306	Lilla	Upon request	2030 x 3050 2020 x 3020 2000 x 3000	0
25500	Kiwi	Upon request	2030 x 3050 2020 x 3020 2000 x 3000	0
25304	Cherry	Upon request	2030 x 3050 2020 x 3020 2000 x 3000	0
25401	Cappuccino	Upon request	2030 x 3050 2020 x 3020 2000 x 3000	0

Information for all Madreperla's products:

Viewside: the film with printed logo identifies the viewside (guaranteed side).



# GREEN CAST® – CAST ACRYLIC SHEETS 100% RECYCLED AND RECYCLABLE



Green Cast® is Madreperla's eco-sustainable solution: a 100% recycled and recyclable cast acrylic sheet.

PMMA (Polymethyl Methacrylate) it's the only plastic that can be recycled back to its original raw material: Monomer.

## ADVANTAGES

- Reduction in the use of primary resources
- Re-use of products at the end of their life cycle
- Reduction of waste send to landfill or incineration
- Reduction of carbon foot print

## CHARACTERISTICS

- Green Cast® is made 100% from recycled raw material (recycled MMA)
- can be recycled over and over again
- Green Cast® is a premium quality branded cast acrylic sheet completely produced in Italy.
- Green Cast® complies to ISO 7823.1
- Green Cast® is VOC free and HFC free
- Green Cast® manufacturing uses less water and generates less CO<sub>2</sub> than standard cast acrylic sheets

For more information about Green Cast® please contact us at [madreperla@madreperlaspa.com](mailto:madreperla@madreperlaspa.com) or contact your dedicated sales assistant.





## THIS VIRTUOUS CIRCLE ALLOWS:



# GREEN CAST® – CAST ACRYLIC SHEETS 100% RECYCLED AND RECYCLABLE

## GREEN CAST® – CAST ACRYLIC SHEETS 100% RECYCLED AND RECYCLABLE GLOSSY FINISH

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
71000	Clear	3 - 4 - 5 6 - 8 - 10 - 12 - 15 20 - 25	2030 x 3050 2020 x 3020 2000 x 3000	92
74881	Black	3 - 4 - 5 6 - 8 - 10 - 12 - 15 20	2030 x 3050 2020 x 3020 2000 x 3000	0
72008	Opal White	3 - 4 - 5 6 - 10	2030 x 3050 2020 x 3020	40
74013	Opal White	3 - 4 - 5 6 - 10	2030 x 3050 2020 x 3020	4

## GREEN CAST® POLARLITE – CAST ACRYLIC SHEETS 100% RECYCLED AND RECYCLABLE ONE SIDE MATT

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
75000	clear	3 - 5	2030 x 3050	89

## GREEN CAST® SATINGLAS - CAST ACRYLIC SHEETS 100% RECYCLED AND RECYCLABLE TWO SIDES MATT

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
61000	Clear	3 - 5	2030 x 3050	85

### Information for all Madreperla's products:

The sheets are produced following ISO 7823.1.  
The thickness tolerance can vary also on the single sheet.

Formula to calculate the thickness tolerance:

$\pm (0,4 + (0,1 \times s))$

Where "s" is the nominal thickness in mm  
(please see page 7)

### Information for all Madreperla's products:

Light transmission is measured in % as a typical value on the nominal thickness of 3mm.

Constant from 3mm to 10mm.

Eventual changes do not imply any liability.

For all information about light transmission on all produced thicknesses contact us at:  
madreperla@madreperlaspa.com, or contact your dedicated sales assistant



All products of this delivery program  
made available in **green cast**  
with MOQ (minimum quantity order).

## NEW: Green Cast® Setaparfum 1600

Improved version of our classic product Setaparfum®, with an even higher resistance to chemical products.

Tests conducted in our laboratories show that under certain conditions Setaparfum® is 40 times more resistant than extruded acrylic sheets and 5 to 6 times more resistant than standard cast acrylic sheets, based on internal "crazing" test.

More severe tests have been conducted on Green Cast® Setaparfum 1600 to measure stain resistance. The results show that the product has a much higher resistance than standard Setaparfum®.

Please ask our sales team for more information about conducted test.

### NEW: GREEN CAST® SETAPARFUM 1600 - CAST ACRYLIC SHEETS 100% RECYCLED AND RECYCLABLE CROSSLINKED SHEETS GLOSSY FINISH

COLOR	DESCRIPTION	THICKNESS mm	SIZE mm	LIGHT TRANSMISSION % typical value on nominal thickness 3mm
79911	Clear	3 - 5 6 - 8 - 10 - 15	2030 x 3050 2020 x 3020	92
79942	Dense White	3 - 5	2030 x 3050	4
79982	Black	3 - 4 - 5	2030 x 3050	0



Project: Studio Creativo Menopausa – II

## OUT OF STANDARD COLORS

MINIMUM ORDER QUANTITIES FOR OUT OF STANDARD PRODUCTS			
THICKNESS in mm	SHEETS	MULTIPLES	SIZE in mm
3	30	30	2030x3050
4	30	30	2030x3050
5	30	30	2030x3050
6	30	30	2020x3020
8	15	15	2020x3020
10	15	15	2020x3020
12	15	15	2020x3020
15	7	15	2020x3020
18	7	15	2000x3000
20	5	5	2000x3000
25	5	5	2000x3000

MINIMUM ORDER QUANTITIES FOR OUT OF STANDARD PRODUCTS			
THICKNESS in mm	SHEETS	MULTIPLES	SIZE in mm
3	40	20	1540x2030
5	40	20	1540x2030



# STANDARD PALLETS

STANDARD PALLETS SHEETS 2X3M		
THICKNESS in mm	SHEETS PER PALLET	SIZE in mm
3	48	2030x3050
4	36	2030x3050
5	28	2030x3050
6	24	2020x3020
8	18	2020x3020
10	14	2020x3020
12	12	2020x3020
15	10	2020x3020
18	8	2000x3000
20	7	2000x3000
25	5	2000x3000

STANDARD PALLETS SHEETS 1,5X2M		
THICKNESS in mm	SHEETS PER PALLET	SIZE in mm
3	70	1540x2030
5	40	1540x2030

# CHEMICAL RESISTANCE CAST ACRYLIC SHEETS

NA = NON ATTACKED		AL= LIMITED ATTACKED		AF = STRONGLY ATTACKED	
<b>ACIDS</b>		<b>BASED</b>		<b>PHENOLS</b>	
Acetic Acid- 10%	NA	Sodium Carbonate Saturate	NA	Cresol	AF
Acetic Acid- 100%	AF	Potassa- 10%	NA	Phenol	AF
Butyric Acid Conc	AF	Potassa- 50%	AF	Metacresol	AF
Citric Acid Saturated	NA	Sodium- 10%	NA	<b>DIFFERENT SOLVENTS</b>	
Hydrochloric Acid- 10%	NA	Sodium- 50%	AF	Butyl Acetate	AF
Hydrochloric Acid Conc.	NA	<b>OILS AND FATTY CORPS</b>		Ethyl Acetate	AF
Chromic Acid- 10%	NA	Coconut Oil	NA	Acetone	AF
Hydrofluoric Acid Saturated	AF	Lockheed Oil	AF	Turpentine 3% aromatics	NA
Fluorydric Acid	AF	Mineral Oil	NA	Acetic Aldehyde- 10%	AF
Formic Acid- 10%	NA	Butyl Stearate	NA	Benzoic Aldehyde	AF
Formic Acid.Conc	AF	Lanolin	NA	Acetic Anhydride	AL
Phosphoric Acid- 10%	NA	Oiled of Sodium	NA	Aniline	AF
Phosphoric Acid- 95%	AF	Paraffin	NA	Benzene	AF
Lactic Acid- 20%	NA	<b>FOOD ITEMS</b>		Petrol	AL
Nitric Acid- 10%	NA	Vinegar	NA	Cyclohexane	AF
Nitric Acid Conc.	AF	Milk	NA	Chloroform	AF
Oxalic Acid Saturated	NA	Olive Oil	NA	Ethylene Chloride	AF
Paracetic Acid	AF	Fruit Juice	NA	Methylene Chloride	AF
Sulphuric Acid- 10%	NA	Wine	NA	Dichloroethane	AF
Sulphuric Acid- 30%	AL	<b>DISINFECTANTS AND CLEANING PROD.</b>		Diethylene Glycol	NA
Sulphuric Acid- 90%	AF	Hydrogen Peroxide 40 Vol.	NA	Dioxan	NA
Tartaric Acid Saturated	NA	Hydrogen Peroxide 90 Vol.	AF	Ethyl Ether	AF
<b>ALCOHOLS</b>		Ammonia Concentrated	AF	Ethylamine	AF
Amylic Alcohol Pure	AF	Ammonia sol.den. 0.88	NA	Ethylene Glycol	NA
Benzyl Alcohol Pure	AF	Formalin	NA	Freon	AF
Butyl Alcohol Pure	AF	Sodium Hypochlorite 10° chlorine	NA	Butyl Phthalate	AL
Anhydrous Alcohol- 30%	AL	Sodium Hypochlorite 48° chlorine	AF	Nonyl Phthalate	AL
Etanol Alcohol- 10% short contact	NA	Mercury Chrome	NA	Octyl Phthalate	AL
Etanol Pure	AF	Tincture of Iodine	AF	Gas Oil	AL
Methyl Alcohol- 10%	NA	<b>MINERAL SALTS IN SOLUTION</b>		High Octane Gas Index Octane100	AL
Methyl Alcohol- 50%	AL	Chlorine Water- 2%	AL	Glycerin	NA
Methyl Alcohol Pure	AF	Sea Water	NA	Mercury	NA
Propyl Alcohol- 10%	AL	Aluminium in saturated solution	NA	Methylethylacetone	AF
Propyl Alcohol- 50%	AF	Potassium Dichromate- 10%	NA	Naphtaline	AL
<b>GAS</b>		Sodium Bisulphate- 10%	NA	Perchloroethylene	AF
Acetylene	NA	Ammonium Chloride Saturated	NA	Pyralen	AF
Sulphure Dioxide	NA	Iron Sulphate	NA	Ethylene Sulphate	AF
Sulphure Trioxide	AF	Mercuric Chloride- 10%	AF	Carbon Sulphate	AF
Butane	NA	Sodium Chloride	NA	Turpentine	NA
Carbonic Gas	NA	Calcium Hypochloride	NA	Toluene	AF
Gas City	NA	Sodium Methaphosphates	NA	Trichloroethane	AF
Hydrogen	NA	Sodium Dichromate- 10%	NA	Trichloroethylene	AF
Oxigen	NA	Ammonium Nitrate	NA	Tricresyl Phosphate	AF
Ozone	NA	Iron Perchlorid	AL	Xylene	AF
Propane	NA	Permanganate- 10%	NA		



**THEO PROFIL**  
A brand like a benchmark!

THEO PROFIL  
A brand like a benchmark!



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