

ASTARIGLAS®


ECO CAST®

HIGH QUALITY
RECYCLED AND RECYCLABLE
CAST ACRYLIC SHEET



Clearly
Friendly

ASTARIGLAS® ECO CAST®

MADE FROM HIGH PURITY DMMA EXCLUSIVELY PRODUCED BY ASTARI

ASTARIGLAS® ECO CAST

PT ASTARI NIAGARA INTERNASIONAL

Astari Niagara Internasional is one of the world's largest cast acrylic manufacturers, the pioneer of cast acrylic sheets in Indonesia, with market coverage in 60 countries and 350 cities globally.

"Sustainable" is one of our company values.

Presenting to you: ASTARIGLAS® ECO CAST, our latest innovation, as well as our commitment and participation in world sustainability.

Our Depolymerised Methyl Methacrylate (DMMA) plant uses innovative and state-of-the-art technology, through de-polymerisation and distillation processes, to achieve the purity equivalent to virgin MMA. This makes ASTARI one of the first companies in Asia to have the capability of producing superior quality recycled cast acrylic sheets.

In ASTARI, we understand the importance of producing only high-quality products. We produce the Depolymerised MMA in our own facility in order to ensure only selected PMMA scrap materials are used to produce DMMA, the raw material for ASTARIGLAS® ECO CAST.



ASTARIGLAS® ECO CAST



Today, sustainability is not just a concept but a way of living. The circular economy is an integral part of the concept. The idea of reducing, reusing, and recycling materials is a more productive and efficient way compared to the make-take-dispose approach and certainly more responsible.

In ASTARI, we use the circular economy concept to bring out our new innovation. Cast acrylic sheet is a performance plastic which, by design, can be recycled. In the Cradle to Cradle (C2C) concept, we use the acrylic waste from our own post-industrial scrap, our domestic customers and also from local post-consumer waste material. The recovered waste is then Depolymerised and distilled in our facility to produce high quality and high purity Depolymerised Methyl Methacrylate (DMMA), also known as Recycled Methyl Methacrylate (RMMA), which is the primary raw material for ASTARIGLAS® ECO CAST.

The usage of DMMA as the main raw material reduces the use of fossil-based virgin MMA, the usual primary resource. Reducing waste that ends up in landfills or incineration further reduces the carbon footprint of our products.

In the concept of sustainability, ASTARIGLAS® ECO CAST sheets are recycled and reused repeatedly. Not only are the sheets recycled, but the protective paper and film masking are both recyclable.

ASTARIGLAS® ECO CAST

Product

ASTARIGLAS® ECO CAST is a new innovation of high quality recycled and recyclable cast acrylic sheets. We use very high purity ($\geq 99\%$) Depolymerised-MMA (DMMA) as raw material exclusively made in our own facility to produce high quality recycled and recyclable cast acrylic sheets with the equal quality as cast acrylic sheets produced from virgin MMA.

ASTARIGLAS® ECO CAST is made of premium quality DMMA and can be recycled repeatedly without losing its important physical properties. ASTARIGLAS® ECO CAST sheet has the same optical, mechanical, and physical properties as cast acrylic sheet made from virgin MMA.

ASTARIGLAS® ECO CAST provides superior quality in optical clarity, weatherability, physical properties and chemical resistance, bringing the concept of recycled acrylic sheets to the next level.

The quality, fabrication, and durability of ASTARIGLAS® ECO CAST are identical to ASTARIGLAS® GP cast acrylic sheet.

Benefit of using ASTARIGLAS® ECO CAST

- Environmental friendly product
- $>92\%$ light transmission
- Optically Identical to ASTARIGLAS® GP Crystal Clear and no yellowing
- Easy to process and fabricate
- Outstanding indoor and outdoor weatherability

Applications

ASTARIGLAS® ECO CAST is a versatile high quality recycled and recyclable cast acrylic sheet. They are easily fabricated in all kinds of machinin-CNC router and laser cutting, hot bending, solvent and polymerisable adhesives bonding, thermoforming, polishing, and digital flatbed printing.

It is a brilliant choice for:

- POP Displays
- Cosmetic Displays
- Signages



ASTARIGLAS® ECO CAST

Certification:
ISO 9001-2015 certified

Compliances:
ASTARIGLAS® ECO CAST complies to ISO 7823.1
ASTARIGLAS® ECO CAST complies to RoHs3
ASTARIGLAS® ECO CAST complies to REACH
ASTARIGLAS® ECO CAST complies to CAL Prop 65
ASTARIGLAS® ECO CAST is free of VOC's and HFC



ASTARIGLAS® ECO CAST

Crystal Clear

Colour	Colour Code	Light Transmission		Size (mm x mm)	Thickness (mm)						
					PE Film Masking						
					3	4	5	6	8	10	12
Number of Sheets per pallet											
Crystal Clear	EC000	TR	>92%	2050 x 3050	40	30	25	20	15	12	10

Opal & White

Colour	Colour Code	Light Transmission		Size (mm x mm)	Thickness (mm)				
					PE Film Masking				
					3	4	5	6	
Number of Sheets per pallet									
Opal	EC422	TL	78%	b	2050 x 3050	40	30	25	20
	EC424		63%		2050 x 3050	40	30	25	20
	EC430		56%		2050 x 3050	40	30	25	20
	EC432		43%		2050 x 3050	40	30	25	20
	EC446		33%		2050 x 3050	40	30	25	20
White	EC401		8%		2050 x 3050	40	30	25	20

Transparent Colours

Colour	Colour Code	Light Transmission		Size (mm x mm)	Thickness (mm)				
					PE Film Masking				
					3	4	5	6	
Number of Sheets per pallet									
Green	EC304	TR	91%	a	2050 x 3050	40	30	25	20
	EC315		83%		2050 x 3050	40	30	25	20
	EC363		78%		2050 x 3050	40	30	25	20
	EC362		39%		2050 x 3050	40	30	25	20
Blue	EC310		87%		2050 x 3050	40	30	25	20
	EC300		80%		2050 x 3050	40	30	25	20
	EC301		64%		2050 x 3050	40	30	25	20
	EC302		41%		2050 x 3050	40	30	25	20
Violet	EC370		84%		2050 x 3050	40	30	25	20
	EC373		42%		2050 x 3050	40	30	25	20
Red	EC101		74%		2050 x 3050	40	30	25	20
	EC102		33%		2050 x 3050	40	30	25	20
Amber	EC202	75%	2050 x 3050	40	30	25	20		
Yellow	EC212	78%	2050 x 3050	40	30	25	20		

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Tinted Colours

Colour	Colour Code	Light Transmission		Size (mm x mm)	Thickness (mm)				
					PE Film Masking				
					3	4	5	6	
Number of Sheets per pallet									
Bronze	EC571	TR	72%	a	2050 x 3050	40	30	25	20
	EC572		64%		2050 x 3050	40	30	25	20
	EC573		32%		2050 x 3050	40	30	25	20
	EC574		14%		2050 x 3050	40	30	25	20
Grey	EC538		55%		2050 x 3050	40	30	25	20
	EC507		45%		2050 x 3050	40	30	25	20
	EC531		31%		2050 x 3050	40	30	25	20
	EC512		16%		2050 x 3050	40	30	25	20

- Also available in size: 1220mm x 2440mm
- Additional items and colours will be added to the product offering soon

TR	Transparent
TL	Translucent
OP	Opaque
a	Constant transmission for all thicknesses
b	Constant transmission for thicknesses 3 - 6 mm

On Request (additional charges, MOQ, other conditions may apply)*:

- Other thicknesses
- Other colours

*Notes:

- Please contact our local distributor/sales representative for inquiry
- ASTARI reserves the rights to make changes without prior notice

ASTARIGLAS® ECO CAST

Translucent & Opaque Colours

Colour	Colour Code	Light Transmission		Size (mm x mm)	Thickness (mm)				
					PE Film Masking				
					3	4	5	6	
Number of Sheets per pallet									
Green	EC619	TL	48%	b	2050 x 3050	40	30	25	20
	EC357		24%		2050 x 3050	40	30	25	20
	EC602		22%		2050 x 3050	40	30	25	20
	EC348		8%		2050 x 3050	40	30	25	20
Blue	EC324		51%		2050 x 3050	40	30	25	20
	EC327		17%		2050 x 3050	40	30	25	20
	EC322		13%		2050 x 3050	40	30	25	20
	EC835		10%		2050 x 3050	40	30	25	20
Red	EC115		63%		2050 x 3050	40	30	25	20
	EC136		30%		2050 x 3050	40	30	25	20
	EC128		28%		2050 x 3050	40	30	25	20
Orange	EC266		15%		2050 x 3050	40	30	25	20
Yellow	EC235	41%	2050 x 3050	40	30	25	20		
	EC478	27%	2050 x 3050	40	30	25	20		
Ivory	EC801	21%	2050 x 3050	40	30	25	20		
Grey	EC504	2%	2050 x 3050	40	30	25	20		
Brown	EC814	OP	0%	a	2050 x 3050	40	30	25	20
Black	EC502		0%		2050 x 3050	40	30	25	20

- Also available in size: 1220mm x 2440mm
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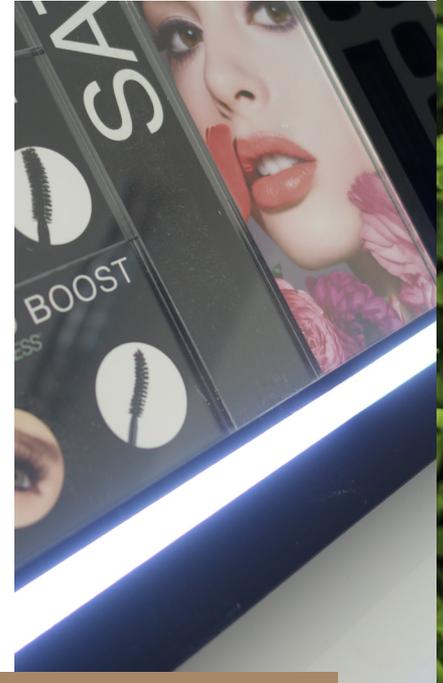
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