



## ASTARIGLAS® ECO CAST

ASTARIGLAS® Eco Cast is a brand new range of recycled **and recyclable** cast acrylic sheet that can be recycled repeatedly without losing its physical properties. Today, **sustainability is not just a concept, but a way of living.** 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.

ASTARIGLAS® Eco Cast is produced from using acrylic waste from post-industrial scrap, the waste is then depolymerised and distilled to then produce high quality and high purity ( $\geq 99\%$ ) Depolymerised-MMA (DMMA). The resulting quality and durability is identical to our ASTARIGLAS® GP Cast Acrylic sheets.

It provides superior optical clarity, weatherability, physical properties as well as chemical resistance. ASTARIGLAS® Eco Cast is also easily fabricated and currently available in Clear 1220 x 2440mm Sheets.

**COMING SOON: A complete range of colours, including Tessematt finishings.**

### Key Features

- Environmentally friendly
- Excellent Light Transmission ( $>92\%$ )
- Easily Fabricated - Routed, laser cut, hot bending
- Extremely Transparent

### Applications

- Indoor/Outdoor signage
- POS Displays
- Interior
- Architecture
- Furniture



# THE PROCESS...

PMMA waste and end of waste supply

Production of auxiliary materials

## Upstream Process

Cracking

Energy input for upstream process

Distillation

Treatment of waste generated by upstream processes

Casting process and polymerization

Energy wares input core process (e.g. electricity, heating, fuel, etc.)

## Core Process

Trimming of gasket and packaging

Treatment of waste generated by core module

## Downstream Process

Transportation to customer