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**green  cast**

 **MADE IN ITALY**

**Cast acrylic sheets**  
**100% recycled**

**Green cast® a responsible choice for the environment ... think green!**



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Madreperla S.p.A ("Madreperla") is the Italian leader and one of the largest producers of cast acrylic sheets in Europe. Our experience dates back to 1959 when Madreperla was founded. Since its inception Madreperla has been providing new and innovative products and services to its clients, offering today the largest range of cast acrylic sheets in Europe, implementing the capability of producing tailor-made products.

**Green cast**<sup>®</sup> is our new generation of environmental friendly cast acrylic sheets, produced 100% with R-MMA (recycled methyl methacrylate monomer).

The protection of our planet and the goal of a more sustainable future are among the most important aspirations both for consumers and for companies worldwide.

The challenge that we embraced was to redefine how cast acrylic sheets were produced and in the process create added value for our distributors, our customers.

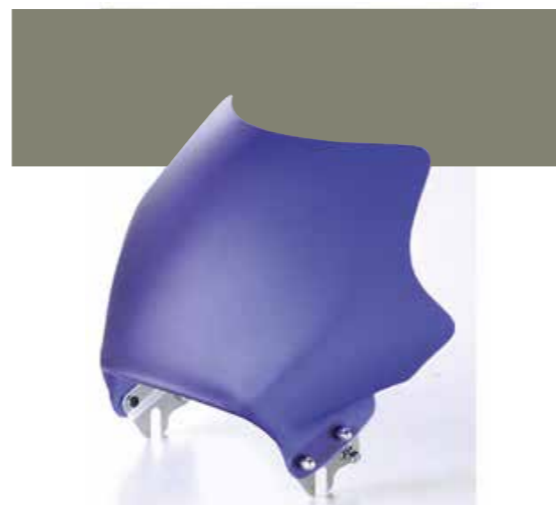
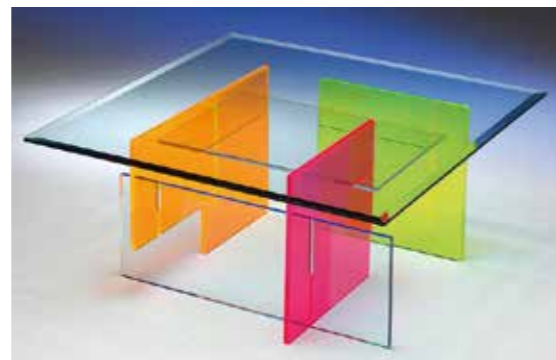
The **Green cast**<sup>®</sup> production starts by collecting PMMA (polymethylmethacrylate) scraps from processing or from post-consumer, giving "waste" a new life.

The recycled MMA is obtained by the "cracking" process that recovers from PMMA the original solvent.

Madreperla S.p.A. can provide collection service of the waste, so that users are confident that all the process respect the European Regulations.

The use of "waste" to generate new materials is an important step for a more sustainable future as it provides:

- reduction in the use of raw materials;
- re-utilization of products at the end of their life-cycle and processing wastes;
- respect for the environment and its primary resources;
- reduction of the wastes send to landfill or incineration.



- **Green cast**<sup>®</sup> is made from 100% recycled raw materials (recycled methyl methacrylate monomer) and can be recycled over and over again.
- **Green cast**<sup>®</sup> sheets are premium quality branded cast acrylic sheets and are completely produced in Italy
- **Green cast**<sup>®</sup> has been developed in collaboration with Italian and German universities.
- **Green cast**<sup>®</sup> has the same mechanical and physical properties as cast acrylic sheets produced with synthetic monomer (MMA).
- **Green cast**<sup>®</sup> complies with ISO 7823.1
- **Green cast**<sup>®</sup> is VOC and HFC free.
- **Green cast**<sup>®</sup> manufacturing uses less water and generates less CO<sub>2</sub>, than cast acrylic sheets produced with synthetic monomer (MMA), reducing significantly the carbon foot print.

#### **Green cast**<sup>®</sup> - fabrication

**Green cast**<sup>®</sup> looks, performs, fabricates and lasts as long as standard virgin acrylics. All kind of machining such as laser cutting, bonding, thermoforming, digital printing can be done without any problem.

#### **Green cast**<sup>®</sup> - advantages

It is the first 100% recycled cast acrylic, that respect sustainable development offers a wide range of product that can be applied in the most sophisticated applications and performs in any machining process. Please ask our sales office for LCA screening and certifications.

#### **Green cast**<sup>®</sup> - product range

All our products can be manufactured in **Green cast**<sup>®</sup> version, from clear to metallic and from 3mm up to 25mm thickness.

Please visit our official website for all information about our Standard products or ask our sales office for standard delivery program.

