

MADE FROM 100% RECYCLED ACRYLIC

Greencast® is cast (clear) acrylic that is made from 100% recycled pre- and post-consumer acrylic. Greencast® is the most sustainable and especially green choice in the acrylic (plexiglass / pmma) world. Greencast® acrylic is optically very pure material and is UV-resistant. Colours other than the stock types can be cast with a certain minimum order quantity. So, all good reasons to choose recycled Greencast®!

Important characteristics

- The green, circular choice in acrylic
- Can be recycled infinitely
- Has all the excellent characteristics of virgin acrylic
- Available in clear, white, opal and black
- Optically very pure sheet material
- Very colourfast and UV-resistant
- Easy to fabricate



green  **cast**

PYRASIED XTREME ACRYLIC®

Material description

Greencast® is an extremely high-quality cast acrylic completely made from 100% recycled material. Greencast® is a cast acrylic with all the good properties of cast PMMA / Plexiglas. Cast acrylic is optically more pure than extruded acrylic and is available in more different colours and thicknesses. Due to the casting production method, the sheet has some thickness tolerance. Recycled clear acrylic is very optically pure sheet material and very easy to work with. The big advantage

of Greencast® is that it can be recycled time and time again. It is a circular material. This recycled acrylic is available in four different variants at PyraSied; clear, white, black and opal. Clear, white and black are standard colours in certain thicknesses and can be ordered directly via the sales department as well as via the PyraSied webshop. Opal Greencast® and a number of other thicknesses of white and black acrylic are available on request.

Applications

Greencast® acrylic is often used as secondary windows, temporary glazing, indoor glazing, showcases, displays, protective covers, furniture, wall presentations or as other optically pure sheet material. Greencast® material is less suitable for very demanding optical applications such as light guide plates.



People & the environment

PyraSied places great value on people and the environment and that is reflected in our complete business operations where we consciously and carefully handle materials and raw materials.

Produce what you use

For special colour production or projects we work with manufacturers who also produce acrylic in smaller batches. If you have to make more than you need, because it is only produced in large batches, you throw away material. With these manufacturers, we offer the possibility to produce the desired number of acrylic sheets and different sheet sizes. This gives as little residual waste as possible. It is possible to have your own colour produced from 5 full sheets depending on the thickness.

Minimize the transport

PyraSied keeps the transport in its own hands, including the transport of the materials that we purchase. Our transport company collects all the loads from the various suppliers and drives them to the Netherlands in one truck. In this way we minimize transport on the road and thus CO² emissions. All our transport is done with LEAN and GREEN certified transport companies.

Apply it in a sustainable way

Acrylic is very durable on its own, because the material has a long durability. Our manufacturers give a 25-year guarantee on the colour fastness of acrylic. Also for outdoor use. PyraSied has been working with acrylic for 35 years and furniture from the early days is still in perfect condition.

Acrylic must therefore also be used in a sustainable manner. We take this into account with the sale of plastic.

Recycle used acrylic

On the other hand, it can also be a choice to use acrylic instead of polycarbonate because acrylic can easily be recycled. PyraSied has committed itself for more than three years to taking back acrylic for recycling. Greencast® is made from this. Greencast® is qualitatively similar to ordinary acrylic and the price is the same. Order Greencast®, 100% recycled acrylic!

Stock program

surface	colour	article	transmission	size	thickness in mm											
					3	4	5	6	8	10	12	15	20	25		
gloss	clear	71000	TP	3050x2030 mm	●	●	●									
gloss	clear	71000	TP	3020x2020 mm				●	●	●	●	●				
gloss	clear	71000	TP	3000x2000 mm										●	○	
gloss	opal	72008	OP	3050x2030 mm	○	○	○									
gloss	opal	72008	OP	3020x2020 mm				○		○						
gloss	white	74013	SO	3050x2030 mm	●	○	○									
gloss	white	74013	SO	3020x2020 mm				○	○	○	○	○	○	○	○	
gloss	black	74881	SO	3050x2030 mm	●	○	○									
gloss	black	74881	SO	3020x2020 mm				○	○	○	○	○	○			
gloss	black	74881	SO	3000x2000 mm										○		

TP = transparent SO = solid OP = opal

● = stock

○ = factory stock

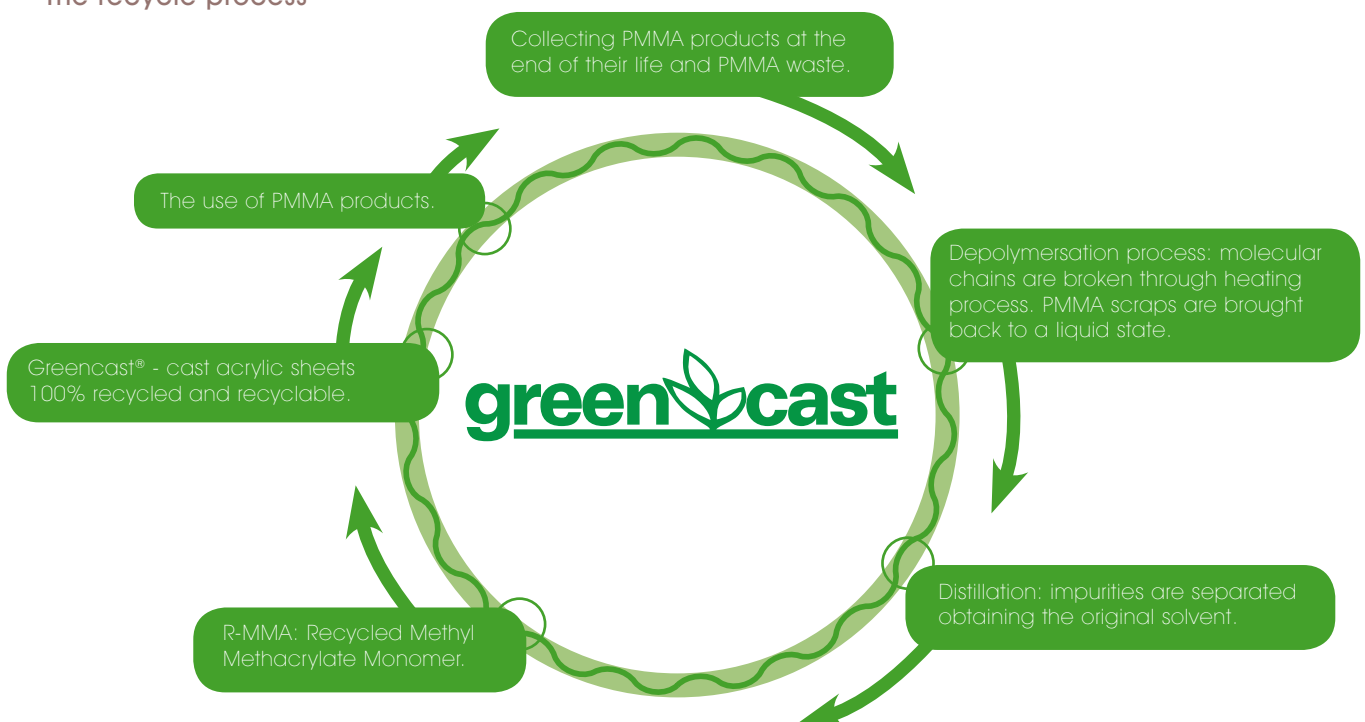
□ = on request

Delivery options

It is possible to make other colours and thicknesses Greencast® acrylic. A minimum order quantity applies to these special options.

Ask our Sales & Support department (sales@pyrasied.nl) for more information.

The recycle process



Technical specifications

Coefficient of expansion

0,6 mm/m/10°C

Density

1,19 g/cm³

Thickness tolerance

0,4mm +/- 10% of the nominal thickness

Saw tolerance

+/- 1mm

Deviation angularity

1,5 mm/1m

E-module

3300 MPA

Fire classification

E according to EN13501

Bending strength

1200 kg/cm

User temperature

-40°C – +80°C

Edges

Clean cut

Protective film

All sheets are provided with a protective film

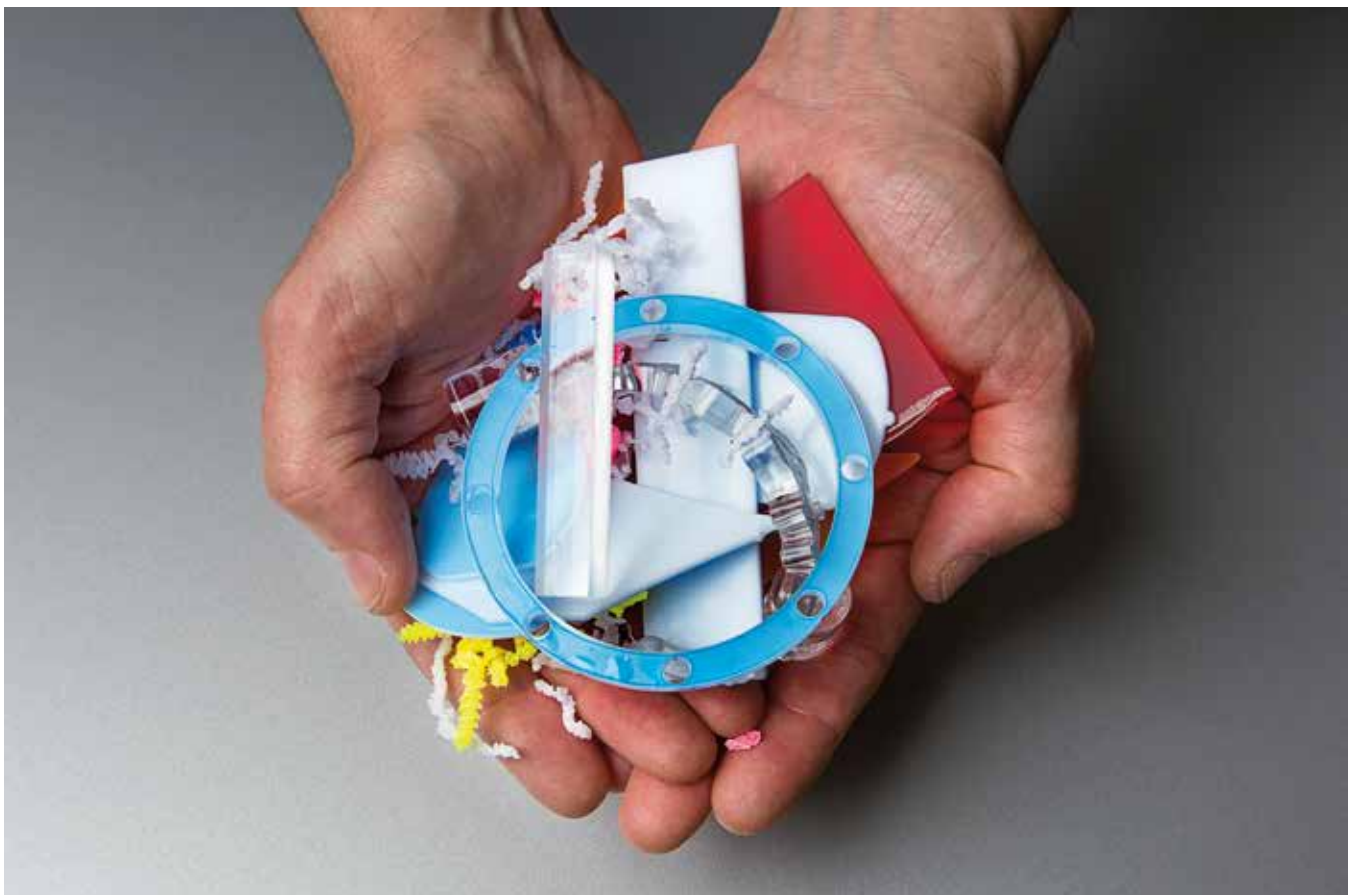
Maintenance

Acrylic can be cleaned with a soft non-woven cloth. You can use water with some detergent, household vinegar or cleaning-alcohol. Do not clean it with a dry cloth, this makes the material static. PyraSied recommends to use Burnus antistatic clea-

ner or VuPlex. VuPlex gives a protective layer and removes visually small scratches. PyraSied can supply these multifunctional cleaners. You should never use Glassex, strong solvents, schotch-brite and other abrasive products.

Samples

It is possible to order samples from the stock program via www.pyrasied.nl. Samples are available in 50x50mm and A4 size. Professionals can order samples via marketing@pyrasied.nl



PYRASIED XTREME ACRYLIC®

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