

MADE FROM 100% RECYCLED ACRYLIC

Greencast® is cast acrylic (plexiglass/pmma) that is made from 100% recycled pre- and post-consumer acrylic. Greencast® is the most sustainable and especially green choice in the acrylic world. Greencast® acrylic is optically very pure material, colourfast and is UV-resistant. The great thing is that Greencast® can also be recycled. So, all good reasons to choose Greencast®!

## Important characteristics

- Made from 100% recycled acrylic
- The green, circular choice in acrylic
- Can be recycled infinitely
- Has all the excellent characteristics of standard cast acrylic
- Available in clear, white, opal, black and various colours
- Optically very pure sheet material
- Very colourfast and UV-resistant
- Easy to fabricate



**greencast**

PYRASIED XTREME ACRYLIC®

# Material description

Greencast® is high-quality cast acrylic that is entirely made from 100% recycled pre- and post-consumer acrylic. Greencast® is a recycled cast acrylic with all the good properties of standard cast PMMA / Plexiglas. Greencast® is optically pure sheet material and very easy to fabricate. The big advantage of Greencast® is that it can be recycled time and time again. It is a circular material.

## Stock program

Greencast® is in stock in many different variants; clear, white, black, opal, transparent, translucent, solid, metallic, sparkling and stone colours. The standard colours are available in several thicknesses and can be orde-

red directly via the sales department as well as via the PyraSied webshop.

## 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.

## Delivery options

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

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

## People & the environment

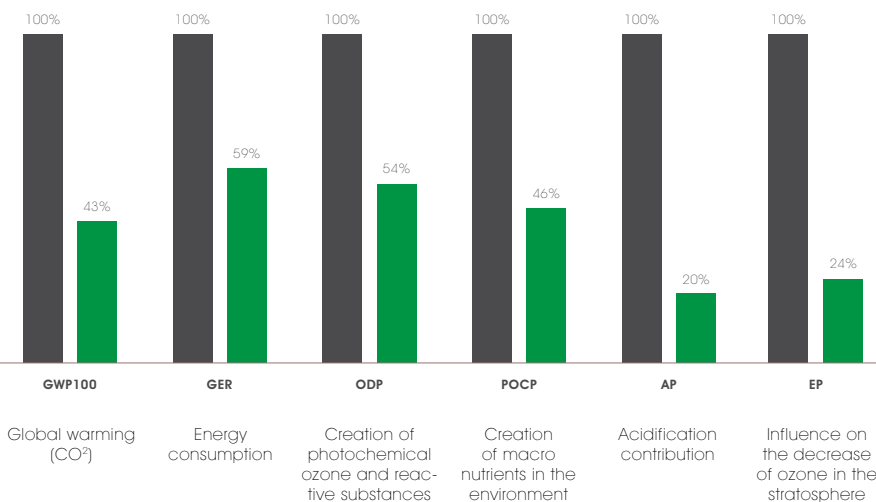
PyraSied places great value on people and the environment and that is reflected in our complete business operations where we consciously and carefully handle materials and raw materials. PyraSied has committed itself for many years to taking back acrylic for recycling. Greencast® is made from this.



# Comparison environmental impact of standard cast acrylic with **greencast** recycled acrylic

If standard cast acrylic is 100%, Greencast is:

■ standard cast acrylic sheet ■ Greencast® acrylic sheet from PyraSied



**greencast**



**There are no natural sources tapped to produce Greencast®**



**Less used acrylic on the waste hump and less combustion because acrylic is recycled into monomer**



**To recycle infinitely**

# Stock program



surface	colour	article	transmission	thickness in mm										
				3	4	5	6	8	10	12	15	20	25	
Gloss	Clear	71000	TP	●	●	●	●	●	●	●	●	●	●	○
Satin	Clear	61000	TL	●	●	●	●	●	●	●		●	●	●
Gloss	Light opal	72005	84%	●		●		●						
Gloss	Opal	72006	32%	●	●	●	●	●	●					
Satin/gloss	Opal	PyraLed4	53%	●	●									
Satin	Opal	61100	72%	●	●	●	●	●	●		●			
Gloss	White	74013	SO	●	●	●	●	●	●					
Satin	White	64000	SO	●										
Gloss	Black	74881	SO	●	●	●	●	●	●		○	○		
Satin	Black	64881	SO	●										

## Transparent colours

surface	colour	article	transmission	thickness in mm										
				3	4	5	6	8	10	12	15	20	25	
Gloss	Glasslook	71005	TP	●		●		●						
Gloss	Orange	71013	TP	●		●		●						
Gloss	Yellow	71014	TP	●		●		●						
Gloss	Red	71039	TP	●		●		●						
Gloss	Light green	71050	TP	●		●		●						
Gloss	Green	71059	TP	●		●		●						
Gloss	Light blue	71062	TP	●		●		●						
Gloss	Blue	71072	TP	●		●		●						
Gloss	Smoke brown	71021	TP	●		●		●						
Gloss	Light grey	71075	TP	●		●		●						
Gloss	Anthracite grey	71087	TP	●		●		●						
Gloss	Warm grey	71286	TP	●		●		●						
Gloss	Fluor yellow	71112	TP	●		●		●						
Gloss	Fluor orange	71131	TP	●		●		●						
Gloss	Fluor orange/red	71134	TP	●		●		●						
Gloss	Fluor green	71150	TP	●		●		●						
Gloss	Fluor blue	71161	TP	●		●		●						

TP = transparent    SO = solid    OP = opal

● = stock

○ = factory stock

□ = on request

### Translucent colours

surface	colour	article	transmission	thickness in mm												
				3	4	5	6	8	10	12	15	20	25			
Gloss	Red	72038	TL	●												

### Solid colours

surface	colour	article	transmission	thickness in mm												
				3	4	5	6	8	10	12	15	20	25			
Gloss/satin	Traffic yellow	78019	SO					●								
Gloss/satin	Orange	78112	SO					●								
Gloss/satin	Traffic red	78130	SO					●								
Gloss/satin	Signal red	78134	SO					●								
Gloss/satin	Yellow green	78055	SO					●								
Gloss/satin	Mint green	78054	SO					●								
Gloss/satin	Night blue	78163	SO					●								
Gloss/satin	Traffic blue	78162	SO					●								
Gloss/satin	Ultramarine blue	78160	SO					●								
Gloss/satin	Grey	78072	SO					●								

### Metallic colours

surface	colour	article	transmission	thickness in mm												
				3	4	5	6	8	10	12	15	20	25			
Gloss	Old gold	4260	SO	●												
Gloss	Aluminium grey	4785	SO	●												
Gloss	Titanium grey	4789	SO	●												
Gloss/satin	Old pink	8269	SO	●												
Gloss/satin	Powder pink	8270	SO	●												
Gloss/satin	Lavender purple	8273	SO	●												
Gloss/satin	Violet pink	8272	SO	●												
Gloss/satin	Emerald green	8276	SO	●												
Gloss/satin	Ice blue	8277	SO	●												
Gloss/satin	Aluminium grey	8785	SO	●												

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### Sparkling metallic colours

surface	colour	article	transmission	thickness in mm												
				3	4	5	6	8	10	12	15	20	25			
Gloss	Beige	46021	SO	●												
Gloss	Blue	46060	SO	●												
Gloss	Black	46090	SO	●												
Gloss	White	46010	SO	●												

### Pearl colours

surface	colour	article	transmission	thickness in mm												
				3	4	5	6	8	10	12	15	20	25			
Gloss	White	45100	SO	●												
Gloss	Ivory beige	45120	SO	●												
Gloss	Grey	45200	SO	●												
Gloss	Pink	45410	SO	●												

### Stone colours

surface	colour	article	transmission	thickness in mm												
				3	4	5	6	8	10	12	15	20	25			
Gloss	White	44401	SO	●												
Gloss	Grey	44410	SO	●												
Gloss	Brown	44420	SO	●												
Gloss	Anthracite grey	44440	SO	●												

TP = transparent    SO = solid    OP = opal    ● = stock    ○ = factory stock    □ = on request



# Technical specifications

<b>Coefficient of expansion</b>	0,6 mm/m/10°C
<b>Density</b>	1,19 g/cm <sup>3</sup>
<b>Thickness tolerance</b>	0,4mm +/- 10% of the nominal thickness
<b>Saw tolerance</b>	+/- 1mm
<b>Deviation angularity</b>	1,5 mm/1m
<b>E-module</b>	3300 MPA
<b>Fire classification</b>	E according to EN13501
<b>Bending strength</b>	1200 kg/cm
<b>User temperature</b>	-40°C – +80°C
<b>Edges</b>	Clean cut
<b>Protective film</b>	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](http://www.pyrasied.nl). Samples are available in 50x50mm and A4 size. Professionals can order samples via [marketing@pyrasied.nl](mailto:marketing@pyrasied.nl)

# The recycle process



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