

Ecocrylic® XT is the most recent addition to our collection environmentally friendly plastics. Ecocrylic® XT is a circular acrylic sheet. It consists of at least 70% recycled extruded (XT) acrylic. Until recently, XT acrylic could not be made on the basis of recycled content, but now with a constant recycling flow of, among other things, used LCD screens, headlights and production cut-offs, this is possible thanks to a strong recycling process technology.

Important characteristics

- Consists of at least 70% recycled XT acrylic
- Circular, Ecocrylic® XT can be recycled time and time again
- On stock in clear in 2, 3, 4, 5 and 6mm thick
- Indistinguishable from virgin
- Easy to fabricate



ec  **crylic® XT**
extruded acrylic with 70% recycled content

PYRASIED XTREME ACRYLIC®

Material description

Ecocrylic® XT is the first extruded acrylic sheet that consists of 70% recycled pre- and post-consumer acrylic and 30% virgin (standard) acrylic. The R-XT acrylic that is used for these sheets are derived from, among other things, used LCD-screens and production cut-offs.

Ecocrylic® recycled XT is a durable and especially green choice for good material that will last for a long time. The recycled acrylic is just as clear, colour fast and UV-resistant as the virgin (standard XT) variants. An additional advantage of (recycled) acrylic is that it can be recycled time and time again and that it can be used to produce new material. It is a circular material.

Save 70% CO₂

By using recycled acrylic instead of new acrylic, you will save at least 2.75 kg CO₂ per kilo of acrylic. On 1 sheet in 10 mm of 1000 x 1000 mm you will save 33 kilos! Producing virgin acrylic costs 3.75 kg CO₂ per kilo, recycled acrylic 1.00 kg CO₂ per kilo. This means a reduction of more than 70%.

Fabrications

Ecocrylic® XT is easy to fabricate. Laser-cutting, milling, bonding and also printable with a flatbed printer.

Applications

Ecocrylic® XT is UV-stable and is therefore suitable for indoor- and outdoor use. Possible applications are displays, showcases, protective caps, front glazing, prevention screens, furniture, retail- and wall presentations.

Environment

PyraSied considers it extremely important that anyone who wants to use acrylic in their idea or product can now choose recycled circular material. We will continue to work on further expanding our collection of recycled acrylic.

PyraSied attaches great importance to people and the environment. This is reflected in our entire business operations, where we consciously and carefully handle materials, raw materials, employees and customers. PyraSied has been committed to taking back acrylic for recycling for more than three years. Ecocrylic® XT and Greencast® are made from this.

Maintenance

Acrylic can be cleaned with a soft or non-woven cloth. You can use water with a little dish soap, household vinegar or cleaning alcohol. Do not clean it with a dry cloth, this will make the material static. PyraSied recommends using Burnus anti-static

cleaner or VuPlex. VuPlex provides a protective layer and visually removes small scratches. These multifunctional cleaning agents can be ordered via the PyraSied webshop. Never use Glassex, strong solvents, Schotch-brite and other abrasive products.

Certificates

Ecocrylic® XT is a new material, which means that the certification processes have not yet been completed. The process for a Life Cycle Analysis has already been started. Until then, we have a certificate available confirming that Ecocrylic® XT contains 70% recycled content. This certificate has been issued by a European recycling company.

Samples

It is possible to order samples from the stock collection via www.pyrasied.com. Samples are available in 50x50mm, A5 and A4 format. Professionals can order samples via sales@pyrasied.nl

Delivery program

surface	colour	article	transmission	thickness in mm						
				2	3	4	5	6	8	10
gloss	clear	71000	TP	●	●	●	●	●	○	○

Delivery program

Ecocrylic® XT is on stock in clear in 2, 3, 4 and 5mm thick in two sheet sizes, 2440x1220mm and 3050x2050mm. Other thicknesses

and also opal and colours will follow shortly. All thicknesses can be ordered cut-to-size via our sales department and the webshop of PyraSied. Are you looking for recycled acrylic

in colour or other surface structures? Then you can choose Greencast®. This material is on stock in clear, gloss or satin, white, black, coloured and opal. Even in fluorescent!

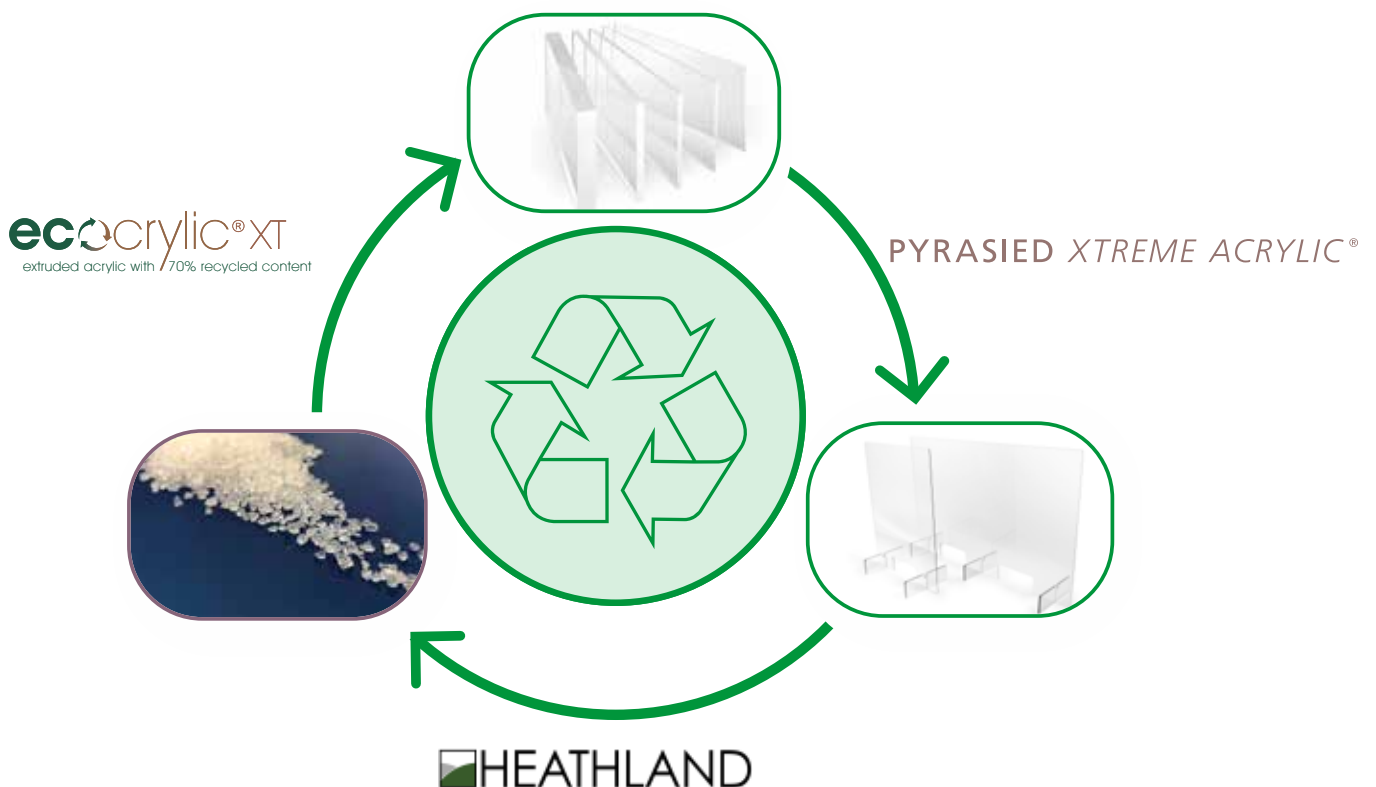
Technical specifications

Ecocrylic® XT consists of recycled material. With recycled material, it is possible that small variations will occur in some specifications. After all, you are dealing with a waste flow that varies in composition. We have italicized the properties where this could possibly happen.

Coefficient of expansion
Density
Thickness tolerance
Saw tolerance
E-module
Fire classification
Bending strength
User temperature
Protective film

0,6 mm/m/10°C
1,18 g/cm³
+/- 5%
+/- 1mm
3300 MPA
E according to EN13501
1200 kg/cm
-40°C – +80°C
All sheets are provided with a two-sided PE-foil

Recycling process



PYRASIED XTREME ACRYLIC®

Certificate of recycling content

Dear Sir/Madam,

Hereby we confirm that the 70% recycled PMMA sheets (Ecocylic) as offered by PyraSied Xtreme Acrylic, have been produced from partly recycled materials (such as LCD screens, PMMA off cuts, regrinds), mainly supplied by our company as waste. In this document you can find the impression of the production company of PMMA sheets and some pictures of PMMA clear transparent extrusion waste that was used by the factory.

On behalf of Heathland B.V.



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