

LAMBERTS



What is LAMBERTS EcoGlass?

The concept of EcoGlass rests on four main pillars, which makes it one of the most sustainable building products available:



Oxygen fired furnace

Since 1996 LAMBERTS is the first and only architectural glass manufacturer in the world to manufacture all glass types using an oxygen-fired melting furnace, this currently being the most ecologically sustainable method available!

This pioneering step was based on the recognition that production processes should be evaluated and improved in terms of environmental friendliness as well, and the project was implemented by Lamberts back in the nineteen nineties already. LAMBERTS has gradually refined its manufacturing processes over the years, enabling its glass products to be produced with the maximum possible share of recycled glass, and of the highest quality.

Emissions that are common in standard glass manufacturing (where air is used instead of oxygen), like for example NOx emissions, are already reduced to nothing or a minimum during the production processes at Lamberts factory, this being particularly due to the use of the special glass furnace.

An intricate filter system reduces any remaining emissions to a level that sets standards, especially on a global scale.



Recycled glass content of the molten glass

LAMBERTS recycles 100 % of their glass loss during production and, in consequence of intelligent glass processes, uses in their production up to 50 % of post-consumer recycled glass (at a guaranteed minimum of 30 % and an average of 41.2 % in 2010). We still have to live with these percentage deviations, because there is still not as much suitable post consumer recycled glass available as we would like to use.

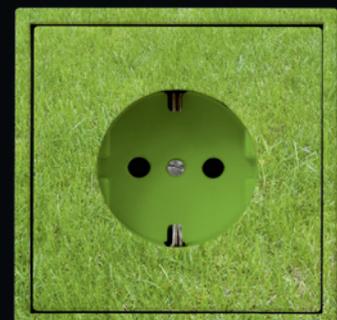
For special projects and orders it is possible to guarantee a higher maximum post-consumer recycled glass percentage than 30 %, when we are able to plan the production dates right in time.

Green electricity

Since 01.01.2011 the whole Glasfabrik LAMBERTS, from the PC's in the administration to the glass furnace in the production, uses exclusively green electricity.

Since its start in 1887, our factory has always been located in Wunsiedel, Bavaria, which is probably one of the leading green cities in Germany where all consumed electricity is green electricity by now.

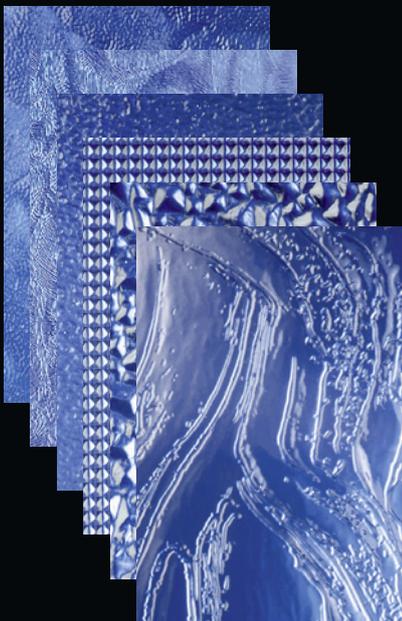
We have decided early 2010 to do this next (and besides significantly more expensive) step, because we are convinced, that also industrial manufacturers do have a social obligation and a responsibility for the environment.



Sustainability

LAMBERTS EcoGlass is 100 % recyclable when it is to be discarded in the future for whatever reason. When it is recycled, in the melting process, no harmful side effects occur whatsoever. These and many additional individual measures enable

us to offer you high quality glass products that for many years now not only successfully contribute towards an ecologically sustainable future in architecture, but also apply the most ecologically friendly methods possible in their manufacturing process.



Which glasses of the LAMBERTS product range are available as EcoGlass?

Basically all pattern and wired glasses from the LAMBERTS product range are available as LAMBERTS EcoGlass and all LAMBERTS LINIT U profiled glasses, which are produced in standard light green molten glass.

The recycled glass content in low iron glass is lower than in standard green glass, because there is less post-consumer recycled glass available. The other three concept parameters oxygen fired furnace, Sustainability and green electricity, are naturally also part of a low iron production.



How can I make sure, that the glass for my project is LAMBERTS EcoGlass?

First of all LAMBERTS EcoGlass with its special ecological parameters has to be chosen by the investors/owners and specified by the architects.

The glazier or glass wholesaler has to order the glass type from the product range as "EcoGlass" at LAMBERTS (for example: Royal King EcoGlass, 4 mm).

LAMBERTS will produce the glass as "EcoGlass" and provides in addition to the material an original LAMBERTS EcoGlass product certificate (including the name of the customer, the order number and production number), confirming that the supplied products have been produced in an EcoGlass batch.



Sustainable Industries
**TOP 10
GREEN
BUILDING
PRODUCTS
2008**

Special Recognition

In 2008, within the scope of a large international competition organized by the renowned American journal "Sustainable Industries", LAMBERTS LINIT U-profile glass has been distinguished by the jury as one of the TOP 10 GREEN BUILDING PRODUCTS 2008, based on the first two EcoGlass parameters mentioned above, and was the only glass product among the winners.

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