

SGG ALBARINO<sup>®</sup>

*High energy  
transmittance extra-clear  
patterned glass for the  
photovoltaic and solar  
thermal industry*

# SGG ALBARINO®

*SGG Albarino is a complete range of extra-clear patterned glass with a very low iron content to increase its light and energy transmittance properties.*

## Applications

SGG Albarino increases the energy output of your photovoltaic modules and solar thermal collectors. SGG Albarino has been developed with the requirements of the photovoltaic and solar thermal industry in mind.

## Product Range

### SGG Albarino T

Fine textured glass (with identical faces) for use in solar thermal modules and collectors.

### SGG Albarino S

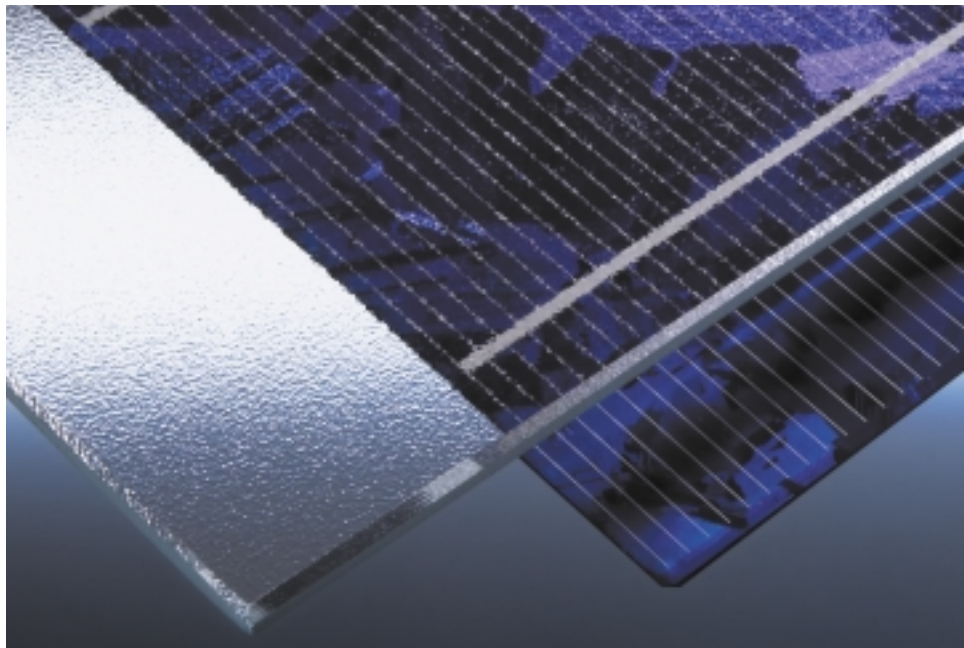
Textured patterned glass for use in photovoltaic (PV) modules.

### SGG Albarino G

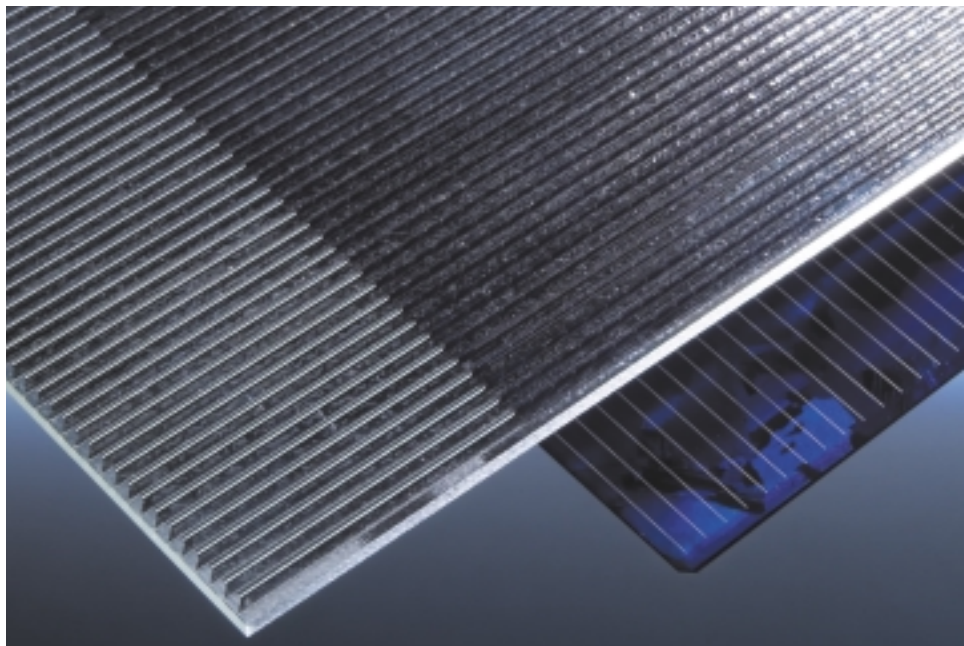
Grooved patterned glass to increase energy transmittance to the PV cells. It provides an efficiency gain while allowing the free flow of rain water from the module surface.

### SGG Albarino P

Deep pyramidal patterned glass developed to increase energy transmittance to the PV cells. Efficiency gain of 3 % under standard tests conditions (according to IEC61215), and up to 10 % for 70° incident light.

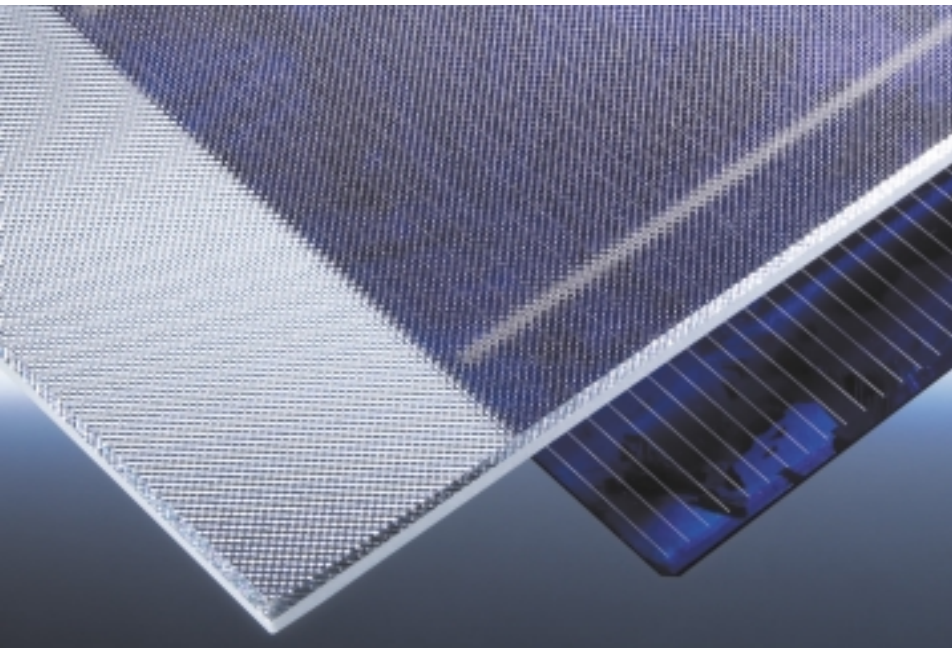


SGG Albarino T

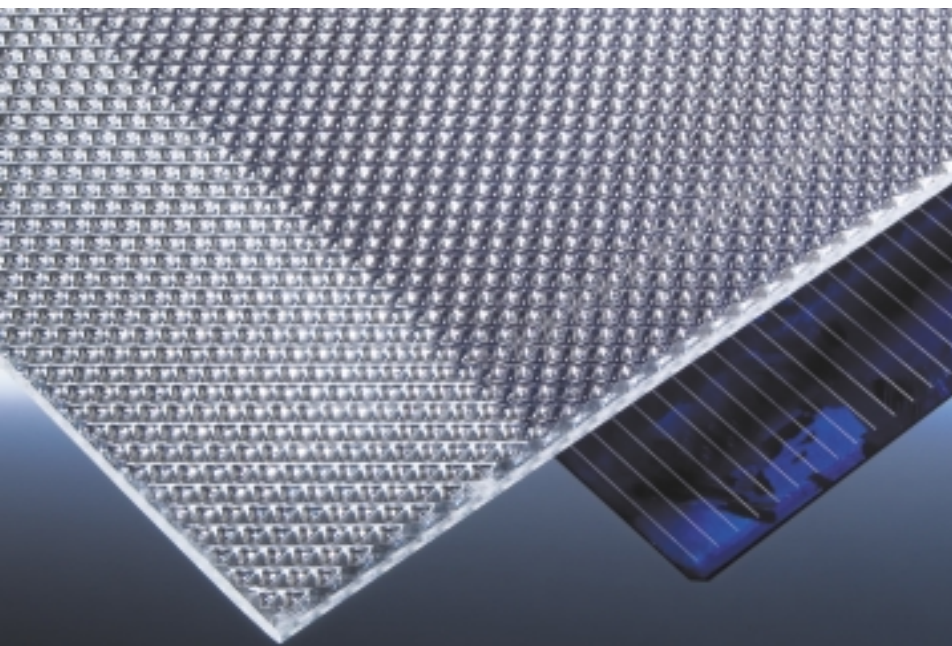


SGG Albarino G

Product performance

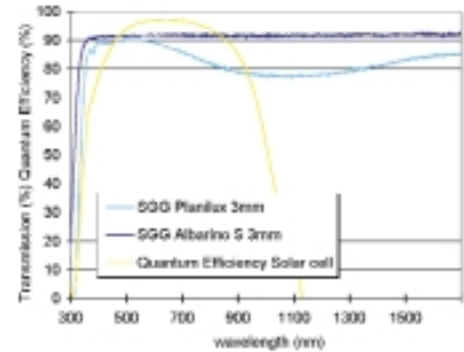


SGG Albarino S



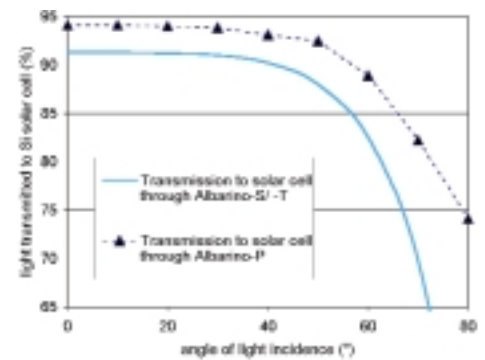
SGG Albarino P

• Energy transmittance (Te)  
of SGG Alabrino : 91.4 %



SGG Albarino offers a significantly higher energy transmittance than normal float glass SGG Planilux, and even higher than extra-clear float glass SGG Diamant.

• Efficiency gain with deep pyramidal structure : +3 %



A special design has been developed to further enhance the PV efficiency gain. The deep pyramidal structure of SGG Albarino P increases the efficiency of the PV module by 3 % annually. This efficiency gain can reach 10 % for solar light with 70° incident angle. This outstanding result is achieved through two effects : the reduction of the light reflected from the outside (air-glass interface) and the internal trapping of the light reflected from the solar cells in the module. These two effects combine to make SGG Albarino P the most efficient glass available for PV modules.

## Product characteristics

SGG ALBARINO	Thickness (mm)	Dimensions (mm)
SGG ALBARINO S and T	3,2 and 4	up to 2040 x 3300
SGG ALBARINO P and G	4	

## Processing

SGG Albarino can be easily processed to meet all the requirements of your module production.

SGG Albarino can be cut, ground, drilled, and heat strengthened or tempered according to your specific needs.

Tempering SGG Albarino significantly increases its resistance to thermal and physical stress.

In addition, the performances of SGG Albarino can be even further enhanced by the deposition of an anti-reflective coating (ARC) on the glass surface.

## Standards

SGG Albarino is produced in accordance with the norm EN 572-5.

The tempering process is done according to the norm EN12150-1

Distributor

  
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