

February 12, 2009

**“PairPlusTM” Ecoglass Designed for Remodeling will be Released in Japan
-Energy Saving and User-Friendly Double Glazing Glass that Can be Quickly Installed to an
Existing Sash-**

AGC Asahi Glass Co., Ltd.

AGC (Asahi Glass Co., Ltd.; Head Office: Tokyo; President & COO: Kazuhiko Ishimura) plans to release “PairPlus” in Japan, ecoglass designed for remodeling, through AGC Glass Products Co., Ltd., a subsidiary of AGC (Head Office: Tokyo; President: Kimikazu Ichikawa) on February 20, 2009. PairPlus incorporates an attachment frame into double glazing so that the unit can be installed to a single glazing sash used in an existing house. Meeting a 3-star or higher level based on the Grading System for Energy Saving Building Materials*¹ with all the product variations, this new window boasts high energy saving and non-condensing performances, helping to reduce the impact on power consumption of air-conditioning in both summer and winter.

While construction of new houses is sluggish these days, the market of remodeling houses is expanding, thereby marking a sharp growth in sales of our energy saving products designed for remodeling. In order to respond to such growth and meet the needs of our customers who are highly conscious of conserving the environment, AGC determined to release PairPlus ecoglass designed for remodeling this time.

Features of the PairPlus to be released are as follows:

- (1) Since an attachment frame is incorporated into the glass (see the second page of the reference), the unit can be mounted to a single glazing sash installed in an existing house. The simple installation only requires 30 to 60 minutes per window.**
- (2) With highly insulating argon gas filled in the air layer between two sheets of glass, PairPlus’s insulation properties are about three times as good as a single sheet of glass. It also reduces the impact on power consumption of heaters and the occurrence of condensation in winter.**
- (3) Using “Sun Balance” ecoglass*² (Low-E double glazing glass) enables the unit to insulate about twice as effectively as a single sheet of glass and reduce air-conditioning energy consumption in summer.**
- (4) The product line also includes a slim-type with a low thick glass that ensures effortless operation of screen after installation to a sash.**
- (5) It achieved a 3-star or higher level based on the Grading System for Energy Saving Building Materials with all the product variations.**

AGC is continuously committed to improving the interior environment of buildings and contribute to global environmental preservation by increasing the efficiency of glass, through development of various new products.

Overview of AGC Glass Products Co., Ltd.

Location: 2-9-18 Misaki-cho, Chiyoda-ku, Tokyo

Representative: Kimikazu Ichiakwa

Business description: Production and sale of processed glass for construction

Number of employees: 759 (as of December 31, 2008)

Capital structure: AGC (Asahi Glass) 100%

Explanation of the Terms

*1 Grading System for Energy Saving Building Materials is an indication (effective on April 1, 2008) for providing information on product quality in relation to thermal insulation of individual windows, glass and sashes designed for general consumers, which was announced on December 28, 2007 in accordance with Article 86 of the Energy Conservation Act (Act on the Rational Use of Energy). Energy saving materials for glass are rated with four different grades based on their rating of JIS thermal insulation performance. The grades of thermal insulation performance are marked by the number of stars. The more stars, the higher the thermal insulation performance.

*2 Ecoglass is the common name for Low-E double glazing products manufactured by three members of the Flat Glass Manufacturers Association of Japan (including Asahi Glass Co., Ltd.) which can satisfy the next-generation energy saving standard with only a lace curtain drawn over the window.

Flat Glass Manufacturers Association of Japan webpage on Ecoglass: <http://www.ecoglass.jp/>

- Contact Information regarding this Matter

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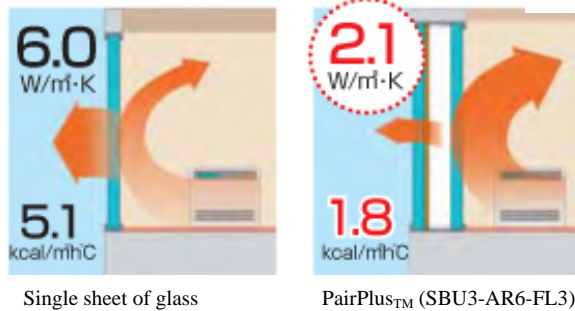
- Contact Information regarding Products:

Flat Glass Company, Customer Center (Tel/Navi Dial: 0570-001-555)

Reference

Thermal insulation performance of PairPlus

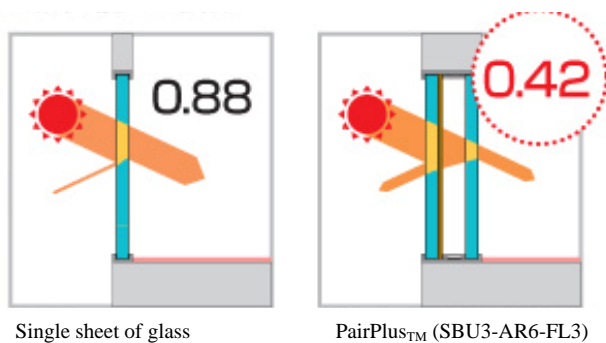
Comparison of thermal transmittance*



* Thermal transmittance: Value to indicate thermal movement at a specific portion, such as wall or window. It is the "heating value that moves per square meter when the temperature difference between the outside and the inside is 1°C." The smaller the value, the higher the thermal insulation (Unit: w/m²·k)

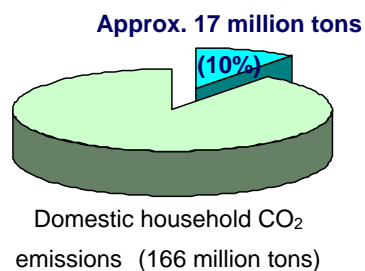
Thermal barrier performance of PairPlus

Comparison of thermal barrier performance



* Percentage of energy flowing into the room when the solar heat incident to the glass surface is set to 1

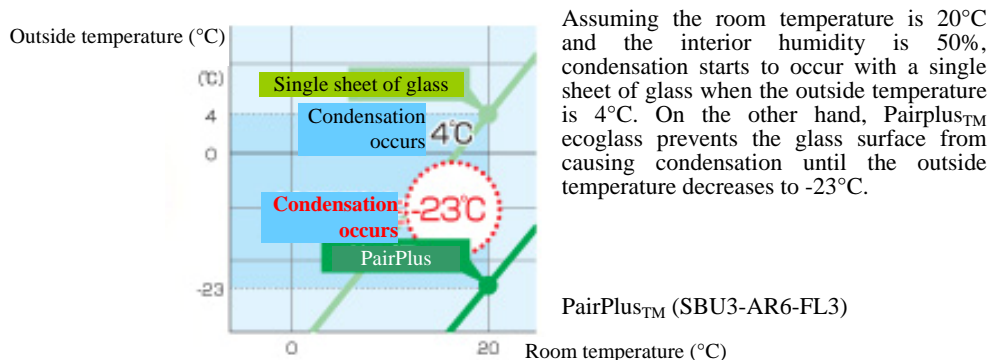
Reduction of CO₂ emissions by Ecoglass in Japan



In case Ecoglass are attached in all of the residences in Japan, volume of CO₂ emissions of households will be reduced by 10%

Prevention of condensation by PairPlus

Comparison of outside temperature when condensation starts to occur



Major glass structure of PairPlus and estimate price of materials

Glass structure	Estimated price of materials (tax included) ¥/m ²
Low 3 mm + 6 mm air layer filled with argon gas + 3 mm float (attachment)	¥26,460
Low 4 mm + 4 mm air layer filled with argon gas + 4 mm float (attachment)	¥30,030

Product image of PairPlus

Argon gas to increase thermal insulation
 Argon gas is filled and sealed between two sheets of glass. Argon is a colorless, safe, inert gas that has high thermal insulation properties and has little adverse effect on the environment. This air layer helps further increase the effect of air-conditioning inside the room. It improves thermal insulation by about 1.2 to 1.3 times compared with a product without argon gas.

Earth-friendly ecoglass
 Ecoglass, which is recommended by the Flat Glass Manufacturers Association of Japan that consists of all the domestic manufactures of flat glass designed for construction, can achieve the highest (Grade 4) thermal environment performance in the Housing Performance Indication System. In other words, it is a Low-E double glazing that can satisfy the next-generation energy saving standard with only a lace curtain drawn over the window.

Energy saving materials for glass are rated with four different grades based on rating of JIS thermal insulation performance. The grades of thermal insulation performance are marked by the number of stars.

Component of double glazing glass