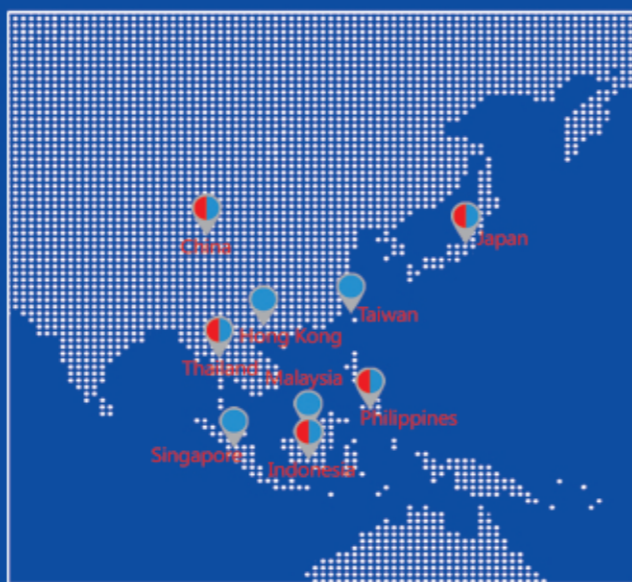


# AGC全球生产销售布局



全球38个浮法工厂100多个销售办事处



AGC亚洲分布

LEGEND ● Production Sites ○ Sales & Marketing

旭硝子特种玻璃（大连）有限公司  
AGC Flat Glass (Dalian) Co., Ltd.  
地址：大连市金州新区铁山西路5号 邮编：116600  
Add: No.5 Tie Shan Xi Road, Development Zone  
Dalian 116600 P.R.China  
Tel: +86 411 87614190 Fax: +86 411 87614197

旭硝子特种玻璃（大连）有限公司青岛办事处  
AGC Flat Glass (Dalian) Co., Ltd. Qingdao Office  
Tel: 18653211780

旭硝子特种玻璃（大连）有限公司苏州办事处  
AGC Flat Glass (Dalian) Co., Ltd. Suzhou Office  
Tel: 0512-62967615 0512-62967611  
0512-62967616 (TCO部门)

旭硝子特种玻璃（大连）有限公司深圳办事处  
AGC Flat Glass (Dalian) Co., Ltd. Shenzhen Office  
Tel: 13510561618



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# AGC

高品质的建筑及工业用节能玻璃  
High Quality Energy Saving Glass For Architecture and Appliance

Planibel™ G

Sunergy® A

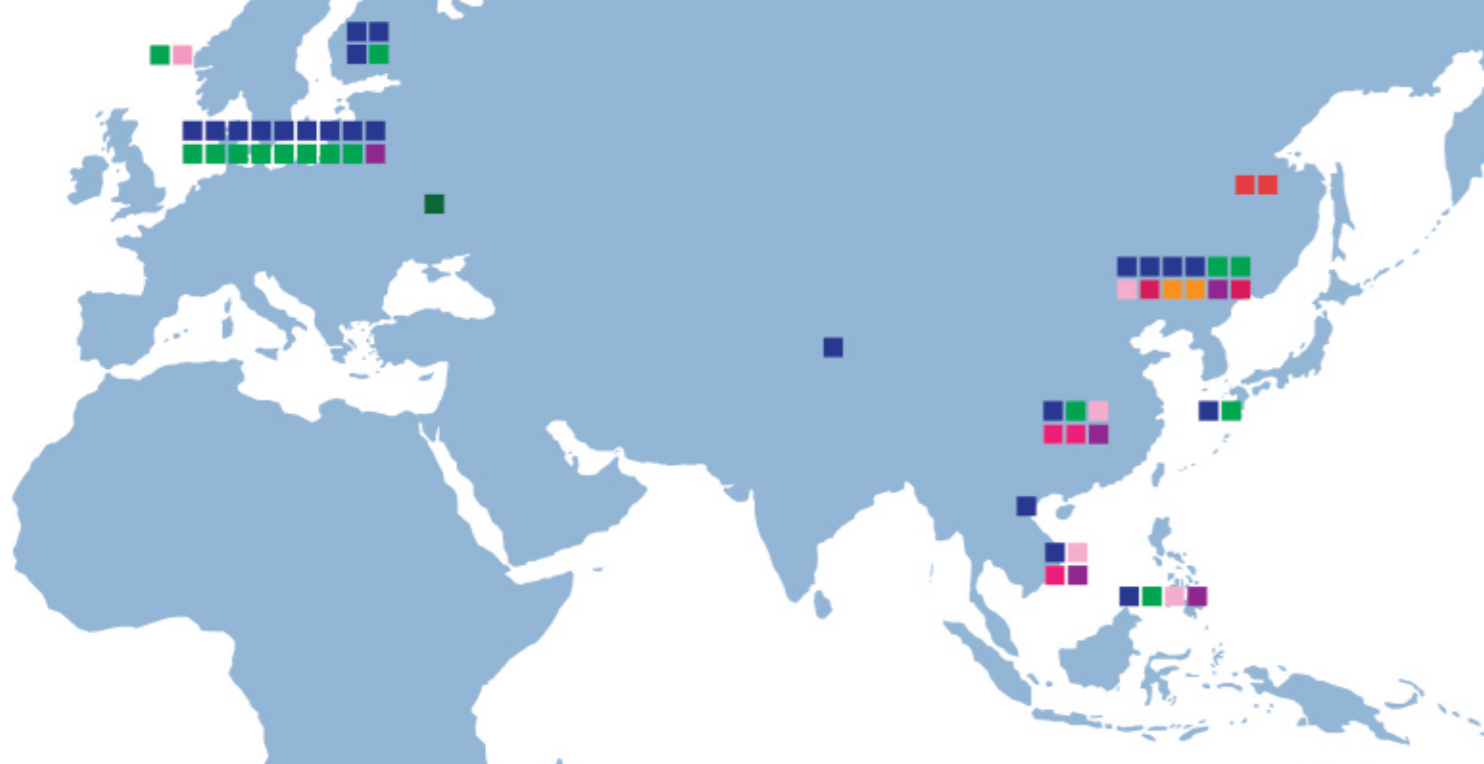
Sunergy® 48

Stopsol®



# AGC 全球网络

## 以海外事业进一步飞跃为目标的整合世界领域的全球运营



### Europe 欧洲

- Belgium 比利时
  - AGC Glass Europe
  - AGC Automotive Europe S.A.
  - AGC Europe S.A.
- Russia 俄罗斯
  - AGC Bor Glassworks
  - AGC Chemicals RUS LLC.
- France 法国
  - AGC France S.A.
- Netherlands 荷兰
  - AGC Flat Glass Netherland B.V.
- Italy 意大利
  - AGC Flat Glass Italia S.r.l
  - AGC Automotive Italy S.r.l
- England 英国
  - AGC Automotive UK, Ltd.
  - AGC Chemicals Europe, Ltd.
- Czech Republic 捷克
  - AGC Flat Glass Czech a.s.
- Spain 西班牙
  - AGC Flat Glass Iberia S.A.

### Asia 亚洲

- Thailand 泰国
  - AGC Technology Solutions (Thailand) Co., Ltd.
  - AGC Flat Glass (Thailand) Public Co., Ltd.
  - AGC Automotive (Thailand) Co.,Ltd.
  - AGC Chemicals (Thailand) Co., Ltd.
- Indonesia 印度尼西亚
  - P.T. Asahimas Flat Glass, Tbk
  - P.T. Asahimas Chemical
- Singapore 新加坡
  - AGC Asia Pacific Pte., Ltd.
  - AGC Singapore Services Pte. Ltd.
- Vietnam 越南
  - Phu My Plastics and Chemicals Co.,Ltd.

■ 平板玻璃 ■ 汽车玻璃 ■ 显示器 ■ 化学品 ■ 电子与能源 ■ 工业陶瓷 ■ 其他

# AGC Group Introduction

## AGC Group Global Network



### 以欧洲、美洲及亚洲3极体制为轴心的全球网络

AGC集团海外事业的开展发端于1956年在印度从事平板玻璃生产。此后，事业领域从东南亚逐渐扩大到北欧、北美、中国和东欧。目前已在20多个国家开展事业，已经基本完成了亚洲、欧洲及美洲3极体制为轴心的全球网络的构建。

### 致力于整合世界领域的全球运营

从近年来亚洲地区经济与环境的显著变化可以看出，经济的无国界化与企业合并进程正在全世界范围内提速，所有的产品都要求全球范围内的当地生产与当地供应。因此，保持稳定水平的产品质量与服务质量，并在全世界范围内优化采购、生产与销售等环节成为一个重要课题。

旭硝子的海外战略始于东南亚的当地生产，通过扩大到欧洲与北美地区，建立了横跨世界的全球体制，迎来下一发展阶段的旭硝子海外战略开始全面转向全球一体化经营与全球运营。

- Malaysia 马来西亚
  - AGC Flat Glass (Malaysia) Sdn.Bhd

- Philippines 菲律宾
  - AGC Automotive Philippines, Inc.

- India 印度
  - Asahi India Glass Co., Ltd.

- China 中国
  - 旭硝子特种玻璃（大连）有限公司
  - 旭硝子特种玻璃（苏州）有限公司
  - 旭硝子精细玻璃（深圳）有限公司
  - AGC Flat Glass (Hong Kong) Co., Ltd.
  - 旭硝子汽车玻璃（中国）有限公司
  - 旭硝子汽车玻璃（佛山）有限公司
  - 旭硝子化工贸易（上海）有限公司
  - 淄博旭硝子刚玉材料有限公司
  - 旭硝子派力固（大连）工业有限公司
  - 旭硝子显示玻璃（昆山）有限公司
  - 旭硝子显示玻璃（深圳）有限公司
  - 旭硝子玻璃基板（香港）有限公司
  - 旭硝子玻璃基板（广东）有限公司
  - 旭硝子工业陶瓷（宜兴）有限公司
  - AGC Electronics Taiwan Co.,Ltd.
  - AGC Display Glass Taiwan Co., Ltd.

- Korea 韩国
  - AGC Display Glass Ochang Co., Ltd.
  - Asahi Glass Fine Techno Korea Co., Ltd.
  - Asahi PD Glass Korea Co., Ltd.
  - Hanwook Techno Glass Co.,Ltd.
  - Korea Autoglass Corp.

### The Americas 美洲

- United States 美国
  - AGC Flat Glass North America, Inc.
  - AGC Automotive Americas Co.
  - AGC Automotive Americas R&D, Inc.
  - AGC Chemicals Americas, Inc.
  - AGC Electronics Americas, Inc.
  - AGC America, Inc.
  - AGC Capital, Inc.
  - AGC Automotive California, Inc.
- Canada 加拿大
  - AGC Automotive Canada, Inc.
- Mexico 墨西哥
  - AGC Automotive Glass Mexico, S.A. de C.V.
  - AGC Automotive Mexico S.de R.L. de C.V.
- Brazil 巴西
  - AGC Vidros do Brasil Ltda.



AGC Group Vision

“Look Beyond”

AGC集团面向未来，创造更美好的世界

“舍易从难”——“Look Beyond”继承了这一创业者的宣言及其精神，并作为在AGC集团工作的全体员工的口号得以延续，作为以玻璃与氟化学等为核心技术的全球原料与部件供应商，我们始终发挥集团整体的巨大潜力，不断为世界创造价值。

“Look Beyond”

着眼未来

“Look Beyond”

超越自身领域的宽广视野

“Look Beyond”

不满足于现状，永无止境地追求创新

Our Mission 我们的使命

我们AGC集团着眼未来，创造一个更加“光明”的世界。我们AGC集团向世界提供的价值是“光明”，而提供这一价值就是我们的使命。AGC集团将在不断履行使命的过程中努力成为一个具有光辉前景的“光明”的企业。

我们的使命

Our 我们的价值观  
Shared Values

我们的价值观“揭示了AGC集团全体成员所共有并作为一切行动基础的重要的思维方式。在实现“我们的使命”的时候，以下4个价值观是为AGC集团全体成员所共有的：

1. 创新与卓越
2. 多元化
3. 环境
4. 诚信

我们的价值观

Our Spirit 我们的精神

“我们的精神”，代表着克服重重困难创建了旭硝子株式会社的岩崎俊弥的开创精神（舍易从难）。这是集团全体成员世代相传并予以践行的AGC的基本精神。

我们的精神

旭硝子特种玻璃（大连）有限公司  
AGC Flat Glass (Dalian) Co., Ltd



旭硝子特种玻璃（大连）有限公司是AGC集团的全资子公司，坐落于大连金州新区。自1995年正式投入生产以来，经历了20多年的风雨洗礼，在平板玻璃制造领域塑造并保持着良好的企业形象。

旭硝子特种玻璃（大连）有限公司采用AGC集团世界尖端浮法玻璃制造技术，配备了一流的生产设备和控制系统，主要生产和销售建筑用、汽车用、各种工业用途的透明浮法玻璃、太阳能用途的高品质超白浮法玻璃以及太阳能光伏用途的TCO镀膜玻璃、建筑及工业用在线低辐射镀膜Low-E玻璃。

旭硝子特种玻璃（大连）有限公司持续改进，不断创新，努力为国内外汽车、建筑、工业及太阳能领域提供高品质的玻璃产品及解决方案。

Founded in December 1992, AGC Flat Glass (Dalian) Co.,Ltd is a wholly owned subsidiary company of AGC Group .The company is located in Dalian Development Zone. It has established and kept a good corporate image in flat glass manufacturing field for 20 years since 1995 when it commenced production formally.

Utilizing the most advanced technologies, state-of-the-art equipments and control systems of AGC, AGC Flat Glass (Dalian) Co.,Ltd provides Clear float glass, Low-iron float glass and TCO, Low-E glass for automotive, architectural, industrial and Solar applications.

AGC Flat Glass(Dalian) Co.,Ltd.is always seeking continuous innovation in products to provide high end solutions for the automotive, architectural , industrial and solar fields.



Planibel™ G  
低辐射 LOW-E

Planibel™ G 是在线低辐射镀膜玻璃，Low-E 膜层是采用CVD(化学气相沉积)工艺镀在净色浮法玻璃上的。

在冬季，膜层的目的是将热量反射回建筑物内，减少热量流失以保持室内温暖。

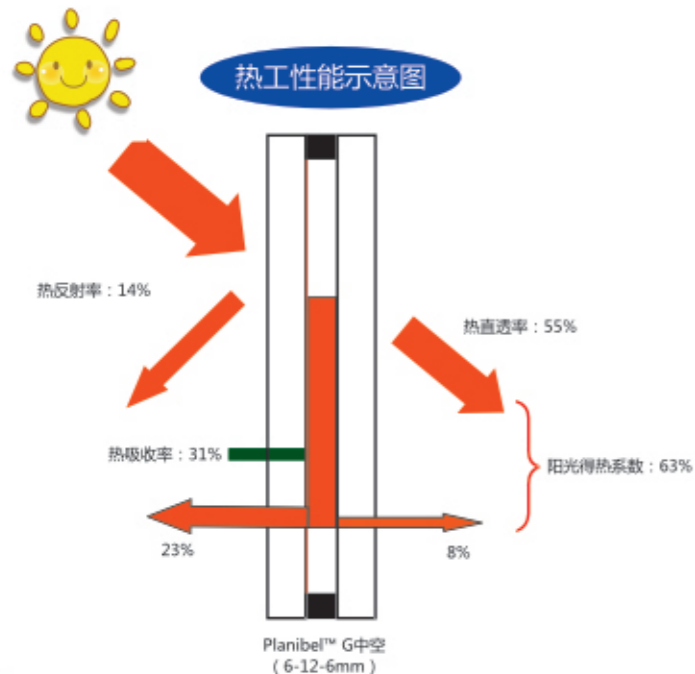
在夏季，膜层将减少进入室内的再次辐射热量从而使室内更加凉爽舒适。

产品范围

- 厚度  
标准厚度为3mm、4mm、5mm、6mm、8mm、10mm和12mm
- 标准尺寸  
3300mmx2140mm、3300mmx2440mm和3300mmx5100mm  
(可根据需要提供非标准尺寸和大板幅尺寸)

产品特点

- 在线硬镀膜，膜层坚硬
- 性能稳定，储存时间久，使用寿命长
- 外观通透自然，反射率低
- 透过率优异，阳光得热率很高
- 经久耐用，易处理，易加工（切割、夹层、钢化、弯钢、丝印）
- 可单片使用（膜层在2号位）
- 合成中空玻璃时无需剔除边缘膜层，也无需特殊处理



Planibel™ G is a pyrolytic, low Emissivity glass. The Low-E coating is applied on a substrate of clear float glass by a pyrolytic process called online CVD (Chemical Vapor Deposit) technology.

In winter, the aim of the coating is to reflect the heat back to inside of the building to prevent heat loss and keep the indoor climate at an even temperature.

In summer, the coating will reduce the amount of re-radiated heat into the building thereby keeping indoor cooler and comfortable.

Product Range

- Thickness  
Standard thickness is 3mm, 4mm, 5mm, 6mm, 8mm, 10mm&12mm
- Standard Sizes  
3300mm x 2140mm, 3300mm x 2440mm & 3300mm x 5100mm  
(non-standard sizes & jumbo sizes are available upon request)

Product Benefits

- Online hard coating
- Stable, virtually unlimited shelf life, long life performance
- Transparent and neutral color appearance, low light reflection
- High light transmission and desirable solar gain
- High durability, easy handling & easy processing (Cutting, laminating, tempering, bending, screen-printing)
- Can be used as single glazing (surface position#2)
- No film deletion and no special handling requirement for IGU



成都三峡大厦

Planibel™ G  
低辐射 LOW-E

产品应用

Planibel™ G 有着自然的外观和高透的特性，在住宅、公共建筑等领域有着广泛的应用，低辐射膜层增强了门窗的隔热性能，同时也减少了室内的能量消耗。

当反射、本体着色玻璃作为外片时（中空玻璃），具有优秀的遮阳性能。

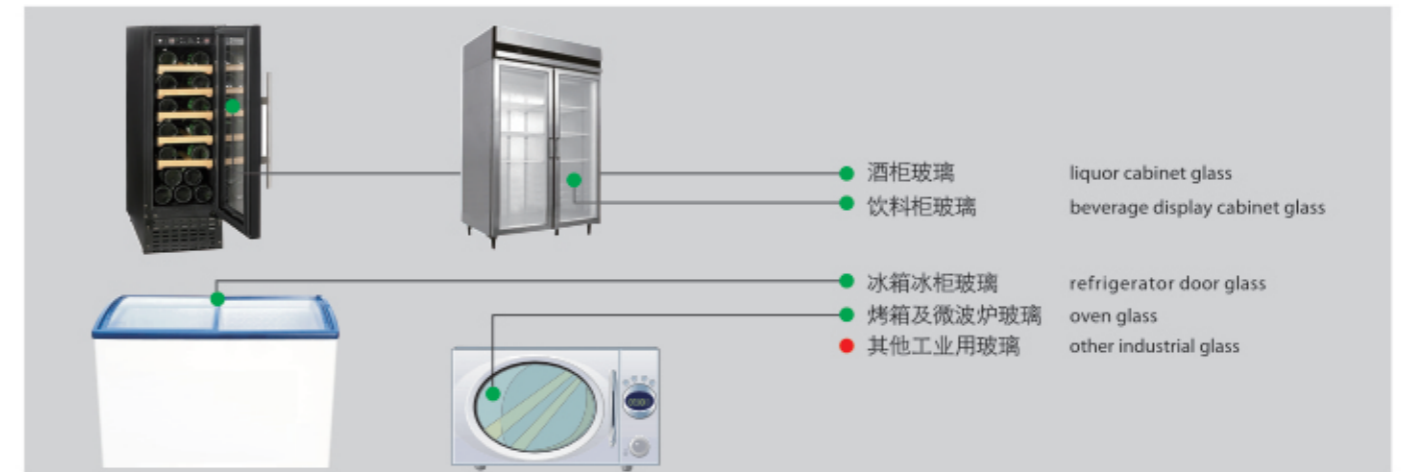
由于其优异的隔热性能，Planibel™ G 同样也广泛应用于工业领域，如：冷柜、酒柜、饮料展示柜、汽车、动车车窗以及其它各种商用展示柜等领域。

Product Applications

Planibel™ G has multiple applications in residential and commercial buildings. The Low-E coating contributes to the thermal insulating properties of windows & doors, and it reduces the indoors energy consumption.

Combination with reflective / tinted glass glazed on the external pane (IGU), it provides excellent solar shading.

Thanks to its superb heat-insulating performance, Planibel™ G also can be used in appliance field, such as Ovens, refrigerator doors, liquor cabinet, beverage display cabinet, disinfection cabinet, bus, high-speed train and other various commercial display cabinets.



高速动车玻璃



公共汽车玻璃



Planibel™ G  
低辐射 LOW-E

单片性能参数

| 结构<br>Structure            | 光学性能<br>Light Properties |              |                   | 热学性能<br>Thermal Properties |               |                 |            | U-值<br>U Value |
|----------------------------|--------------------------|--------------|-------------------|----------------------------|---------------|-----------------|------------|----------------|
|                            | 厚度<br>Thickness          | 透光率<br>LT(%) | 反光(外)<br>LR(Ext)% | 热直射率<br>DET(%)             | 热反射率<br>ER(%) | 阳光得热系数<br>SF(%) | 遮阳系数<br>SC |                |
| 膜层在第二面<br>Coating on Pos.2 |                          |              |                   |                            |               |                 |            |                |
| <单片><br>Planibel™G         | 3mm                      | 82           | 11                | 70                         | 11            | 73              | 0.84       | 3.8            |
|                            | 4mm                      | 82           | 12                | 69                         | 11            | 72              | 0.83       | 3.7            |
|                            | 5mm                      | 81           | 12                | 68                         | 11            | 71              | 0.83       | 3.7            |
|                            | 6mm                      | 81           | 11                | 67                         | 10            | 71              | 0.82       | 3.7            |
|                            | 8mm                      | 80           | 11                | 64                         | 10            | 68              | 0.79       | 3.6            |
|                            | 10mm                     | 79           | 11                | 62                         | 10            | 67              | 0.77       | 3.6            |
| 12mm                       | 79                       | 11           | 60                | 9                          | 65            | 0.75            | 3.5        |                |

1. 上列玻璃性能参数, 按照ASHRAE standard/Window 5.2 Software.(NFRC 100-2001)计算。有关光学性能参数有正负3点公差, U值有正负0.1点公差。规格, 技术和其他参数是根据现有资料, 如有更改将不另行通知。以上表格所示数据为测试结果, 不作为性能保证。 2. 如果Planibel™G单片使用, 膜面在1号面是不允许的。  
1. All data are calculated using spectral measurements that are conform to standards ASHRAE standard(NFRC 100-2001). The tolerance of published data with respect to photometric properties is +/- 3 points. The U-value tolerance is +/- 0.1 W/m²·K Specifications, technical and other data are based on information available at the time of preparation this document and are subject to change without prior notice. The value and performance data shown in the tables are test results and not performance guarantees.  
2. In the case of Planibel™G glazing, coating surface of position 1 is not allowed

中空配置性能参数

| 结构<br>Structure            | 光学性能<br>Light Properties |              |                   | 热学性能<br>Thermal Properties |               |                 |            | U-值<br>U Value |              |
|----------------------------|--------------------------|--------------|-------------------|----------------------------|---------------|-----------------|------------|----------------|--------------|
|                            | 厚度<br>Thickness          | 透光率<br>LT(%) | 反光(外)<br>LR(Ext)% | 热直射率<br>DET(%)             | 热反射率<br>ER(%) | 阳光得热系数<br>SF(%) | 遮阳系数<br>SC | W/m²·K<br>Air  | W/m²·K<br>Ar |
| 膜层在第二面<br>Coating on Pos.2 |                          |              |                   |                            |               |                 |            |                |              |
| <中空配置><br>Planibel™G       | 4-9-4mm                  | 74           | 17                | 59                         | 15            | 65              | 0.75       | 2.1            | 1.7          |
|                            | 4-12-4mm                 | 74           | 17                | 59                         | 15            | 65              | 0.75       | 1.9            | 1.6          |
|                            | 4-15-4mm                 | 74           | 17                | 59                         | 15            | 65              | 0.75       | 1.9            | 1.7          |
|                            | 5-9-5mm                  | 73           | 17                | 57                         | 14            | 64              | 0.74       | 2.1            | 1.7          |
|                            | 5-12-5mm                 | 73           | 17                | 57                         | 14            | 64              | 0.74       | 1.9            | 1.6          |
|                            | 5-15-5mm                 | 73           | 17                | 57                         | 14            | 64              | 0.74       | 1.9            | 1.7          |
|                            | 6-9-6mm                  | 73           | 16                | 55                         | 14            | 63              | 0.73       | 2.1            | 1.7          |
|                            | 6-12-6mm                 | 73           | 16                | 55                         | 14            | 63              | 0.73       | 1.9            | 1.6          |
|                            | 6-15-6mm                 | 73           | 16                | 55                         | 14            | 63              | 0.73       | 1.9            | 1.7          |
|                            | 8-9-8mm                  | 71           | 16                | 50                         | 13            | 60              | 0.70       | 2.1            | 1.7          |
|                            | 8-12-8mm                 | 71           | 16                | 50                         | 13            | 60              | 0.70       | 1.9            | 1.6          |
|                            | 8-15-8mm                 | 71           | 16                | 50                         | 13            | 60              | 0.70       | 1.9            | 1.6          |
|                            | 10-9-10mm                | 70           | 16                | 47                         | 13            | 58              | 0.67       | 2.0            | 1.7          |
|                            | 10-12-10mm               | 70           | 16                | 47                         | 13            | 58              | 0.67       | 1.9            | 1.6          |
|                            | 10-15-10mm               | 70           | 16                | 47                         | 13            | 58              | 0.67       | 1.9            | 1.6          |
|                            | 12-10-12mm               | 68           | 16                | 44                         | 12            | 57              | 0.65       | 1.9            | 1.6          |
| 12-12-12mm                 | 68                       | 16           | 44                | 12                         | 57            | 0.65            | 1.8        | 1.5            |              |
| 12-15-12mm                 | 68                       | 16           | 44                | 12                         | 56            | 0.65            | 1.8        | 1.6            |              |

\*Ar=Argon gas 氩气

1. 上列玻璃性能参数, 按照ASHRAE standard/Window 5.2 Software.(NFRC 100-2001)计算。有关光学性能参数有正负3点公差, U值有正负0.1点公差。规格, 技术和其他参数是根据现有资料, 如有更改将不另行通知。以上表格所示数据为测试结果, 不作为性能保证。  
2. 如果中空玻璃的配置使用Planibel™ G+白玻/有色玻璃, 膜面在1号面是不允许的。 3. 如果中空玻璃的配置使用Planibel™ G+白玻, 建议膜层放在2号面或3号面。  
4. 如果中空玻璃的配置使用Planibel™ G+有色玻璃, 建议膜层放在3号面。 5. 请通过此宣传册封底的联系方式联系我们以获取更多信息。  
1. All data are calculated using spectral measurements that are conform to standards ASHRAE standard(NFRC 100-2001). The tolerance of published data with respect to photometric properties is +/- 3 points. The U-value tolerance is +/- 0.1 W/m²·K Specifications, technical and other data are based on information available at the time of preparation this document and are subject to change without prior notice. The value and performance data shown in the tables are test results and not performance guarantees.  
2. In the case of Planibel™ G + Clear/tinted float glass laminated glazing, coating surface of position 1 is not allowed. 3. In the case of Planibel™ G + Clear Float Glass IGU, coating surface of position 2 or position 3 is recommended. 4. In the case of Planibel™ G + Tinted Float Glass IGU, coating surface of position 3 is recommended.  
5. For more information, contact the address of the catalog.

Planibel™ G  
低辐射 LOW-E

夹胶配置性能参数

| 结构<br>Structure            | 光学性能<br>Light Properties |              |                   | 热学性能<br>Thermal Properties |               |                 |            | U-值<br>U Value |
|----------------------------|--------------------------|--------------|-------------------|----------------------------|---------------|-----------------|------------|----------------|
|                            | 厚度<br>Thickness          | 透光率<br>LT(%) | 反光(外)<br>LR(Ext)% | 热直射率<br>DET(%)             | 热反射率<br>ER(%) | 阳光得热系数<br>SF(%) | 遮阳系数<br>SC |                |
| 膜层在第四面<br>Coating on Pos.4 |                          |              |                   |                            |               |                 |            |                |
| <夹胶配置><br>Planibel™G       | 4+0.38+4mm               | 80           | 11                | 62                         | 9             | 67              | 0.78       | 3.6            |
|                            | 4+0.76+4mm               | 80           | 11                | 62                         | 9             | 67              | 0.77       | 3.6            |
|                            | 4+1.14+4mm               | 80           | 11                | 61                         | 9             | 66              | 0.77       | 3.6            |
|                            | 4+1.52+4mm               | 79           | 11                | 60                         | 9             | 66              | 0.76       | 3.5            |
|                            | 5+0.38+5mm               | 79           | 11                | 60                         | 9             | 66              | 0.76       | 3.6            |
|                            | 5+0.76+5mm               | 79           | 11                | 60                         | 9             | 65              | 0.76       | 3.5            |
|                            | 5+1.14+5mm               | 79           | 11                | 59                         | 8             | 65              | 0.75       | 3.5            |
|                            | 5+1.52+5mm               | 78           | 11                | 58                         | 8             | 64              | 0.74       | 3.5            |
|                            | 6+0.38+6mm               | 79           | 11                | 58                         | 8             | 64              | 0.74       | 3.5            |
|                            | 6+0.76+6mm               | 79           | 11                | 58                         | 8             | 64              | 0.74       | 3.5            |
|                            | 6+1.14+6mm               | 78           | 11                | 57                         | 8             | 63              | 0.73       | 3.5            |
|                            | 6+1.52+6mm               | 78           | 10                | 56                         | 8             | 63              | 0.73       | 3.5            |
|                            | 8+0.76+8mm               | 77           | 10                | 53                         | 8             | 60              | 0.70       | 3.5            |
|                            | 8+1.14+8mm               | 77           | 10                | 52                         | 8             | 60              | 0.69       | 3.4            |
|                            | 8+1.52+8mm               | 76           | 10                | 51                         | 8             | 59              | 0.69       | 3.4            |
|                            | 10+0.76+10mm             | 75           | 10                | 49                         | 7             | 58              | 0.67       | 3.4            |
|                            | 10+1.14+10mm             | 75           | 10                | 49                         | 7             | 57              | 0.66       | 3.4            |
|                            | 10+1.52+10mm             | 75           | 10                | 48                         | 7             | 57              | 0.66       | 3.4            |
|                            | 12+0.76+12mm             | 75           | 10                | 47                         | 7             | 56              | 0.65       | 3.3            |
|                            | 12+1.14+12mm             | 75           | 10                | 47                         | 7             | 56              | 0.65       | 3.3            |
| 12+1.52+12mm               | 73                       | 10           | 45                | 7                          | 55            | 0.64            | 3.3        |                |

1. 上列玻璃性能参数, 按照ASHRAE standard/Window 5.2 Software.(NFRC 100-2001)计算。有关光学性能参数有正负3点公差, U值有正负0.1点公差。规格, 技术和其他参数是根据现有资料, 如有更改将不另行通知。以上表格所示数据为测试结果, 不作为性能保证。  
2. 如果夹胶玻璃的配置使用 Planibel™ G+白玻/有色玻璃, 膜面在1号面是不允许的。  
3. 如果夹胶玻璃的配置使用 Planibel™ G+白玻/有色玻璃, 建议膜层在4号面。  
4. 请通过此宣传册封底的联系方式联系我们以获取更多信息。

1. All data are calculated using spectral measurements that are conform to standards ASHRAE standard(NFRC 100-2001). The tolerance of published data with respect to photometric properties is +/- 3 points. The U-value tolerance is +/- 0.1 W/m²·K Specifications, technical and other data are based on information available at the time of preparation this document and are subject to change without prior notice. The value and performance data shown in the tables are test results and not performance guarantees.  
2. In the case of Planibel™ G + Clear/tinted float glass laminated glazing, coating surface of position 1 is not allowed.  
3. In the case of Planibel™ G + Clear/tinted float glass laminated glazing, coating surface of position 4 is recommended.  
4. For more information, contact the address of the catalog.



**Sunergy® A**  
阳光控制 低辐射LOW-E  
Sunergy® 升级产品

秉承AGC持续改进和勇于创新的精神，AGC大连工厂在原有Sunergy®产品上，通过技术创新，研发了保温效果更好的产品Sunergy® A。

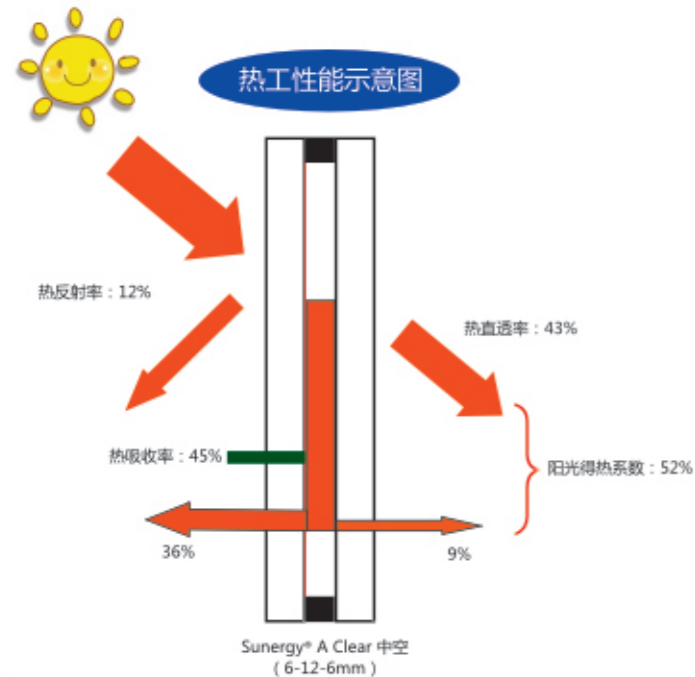
Sunergy® A是在线低辐射镀膜玻璃，Low-E膜层是采用CVD(化学气相沉积)工艺镀在净色浮法玻璃上的，它同时具有阳光控制和保温隔热的特性。

Sunergy® A外反射低，外观自然，适用于高端建筑设计，能满足时尚美学要求。

在冬季，Sunergy® A可以防止室内热量散失，并可以使室内保持均衡的温度，在夏季，Sunergy® A可提供优异的遮阳性能，并可以减少进入室内的热量，保持室内凉爽。

**产品范围**

- 厚度  
标准厚度为5mm、6mm、8mm和10mm
- 标准尺寸  
3300mmx2140mm、3300mmx2440mm和3300mmx5100mm  
(可根据需要提供非标准尺寸和大板幅尺寸)



**Sunergy® A**

In pursuit of constant R&D policy and innovation of AGC group, AFD continued to improve production technology based on original Sunergy® Clear and successfully developed Sunergy® A with better thermal insulation.

Sunergy® A is a pyrolytic, coated glass which has thin metal oxides by online CVD (Chemical Vapor Deposition) technology and it provides both of excellent properties; solar control and thermal insulation.

Sunergy® A has characteristics of low exterior reflection and color-neutral appearance, and it can be applied for high end architectural design and sophisticated aesthetics requirement.

In winter, Sunergy® A prevents heat loss and keeps the indoor climate at an even temperature.

In summer, Sunergy® A provides excellent solar shading and thus reduces the heat from Sunshine to keep the inside cooler.

**Product Range**

- Thickness  
Standard thickness is 5mm, 6mm, 8mm, 10mm
- Standard Sizes  
3300mmx2140mm, 3300mmx2440mm & 3300mmx5100mm  
(non-standard sizes & jumbo sizes are available upon request)



上海汤臣一品

**Sunergy® A**  
阳光控制 低辐射LOW-E  
Sunergy® 升级产品

**产品特点**

- 在线硬镀膜，膜层非常坚硬
- 性能稳定，储存时间久，使用寿命长
- 保温性能更好（与原Sunergy® 相比）
- 外观卓越，颜色自然，反射率低，视觉舒适度高
- 经久耐用，易储存、易加工（切割、钢化、夹胶、弯钢、丝印）
- 可单片使用（膜层在2号面）
- 合中空时，无需剔除边部膜层，也无需特殊处理

**产品应用**

由于其反射率低，外观自然，颜色多样，Sunergy® A适用于高端建筑和创新工程。优异的光学性能可以满足地方法规对外反射率的要求。

Sunergy® A结合了阳光控制和保温隔热的特性，是可以广泛应用于各种建筑的理想选择：住宅、医院、学校、办公楼、玻璃屋顶等等。



澳大利亚梅赛德斯-奔驰展示厅

**Product Benefits**

- Online hard coating
- Stable, virtually unlimited shelf life, long life performance
- Better thermal insulation (compared with Sunergy®)
- Neutral color appearance, visual comfort, and low light reflection
- High durability, easy handling & easy processing (Cutting, laminating, tempering, bending, screen-printing)
- Can be used as single glazing (surface position#2)
- No edge film deletion and no special handling requirement for IGU

**Product Applications**

Sunergy® A has low reflection, neutral appearance and several color variation. It can be used in advanced buildings and renovation projects as well. The optical properties can meet local regulations of low exterior reflection.

The combination of solar control and thermal insulation functions create ideal glass windows for a wide range of architectural applications; residential houses, office building, hospitals, schools, glass roofs and even more.



北京亦庄BDA国际企业大道



## Sunergy® A

阳光控制 低辐射LOW-E

Sunergy® 升级产品

### 单片性能参数

| 结构<br>Structure            | 光学性能<br>Light Properties |              |                   | 热学性能<br>Thermal Properties |               |                 |            | U-值<br>U Value<br>W/m²·K |
|----------------------------|--------------------------|--------------|-------------------|----------------------------|---------------|-----------------|------------|--------------------------|
|                            | 厚度<br>Thickness          | 透过率<br>LT(%) | 反光(外)<br>LR(Ext)% | 热直射率<br>DET(%)             | 热反射率<br>ER(%) | 阳光得热系数<br>SF(%) | 遮阳系数<br>SC |                          |
| 膜层在第二面<br>Coating on Pos.2 |                          |              |                   |                            |               |                 |            |                          |
| <单片><br>Sunergy® A Clear   | 5mm                      | 71           | 9                 | 53                         | 10            | 60              | 0.69       | 3.9                      |
|                            | 6mm                      | 71           | 9                 | 52                         | 9             | 60              | 0.69       | 3.9                      |
|                            | 8mm                      | 70           | 8                 | 50                         | 9             | 58              | 0.67       | 3.9                      |
|                            | 10mm                     | 69           | 8                 | 48                         | 9             | 57              | 0.65       | 3.9                      |

1. 上列玻璃性能参数, 按照ASHRAE standard/Window 7.2 Software.(NFRC 100-2010)计算。有关光学性能参数有正负3点公差, U值有正负0.1点公差。规格, 技术和其他参数是根据现有资料, 如有更改将不另行通知。以上表格所示数据为测试结果, 不作为性能保证。

2. 如果Sunergy A Clear单片使用, 膜面在1号面是不允许的。

1. All data are calculated using spectral measurements that are conform to standards ASHRAE standard(NFRC 100-2001). The tolerance of published data with respect to photometric properties is +/- 3 points. The U-value tolerance is +/- 0.1 W/m²·K Specifications, technical and other data are based on information available at the time of preparation this document and are subject to change without prior notice.The value and performance data shown in the tables are test results and not performance guarantees.

2. In the case of Sunergy A Clear single glazing, coating surface of position 1 is not allowed.

### 中空配置性能参数

| 结构<br>Structure            | 厚度<br>Thickness | 光学性能<br>Light Properties |                   | 热学性能<br>Thermal Properties |               |                 |            | U-值<br>U Value |              |
|----------------------------|-----------------|--------------------------|-------------------|----------------------------|---------------|-----------------|------------|----------------|--------------|
|                            |                 | 透光率<br>LT(%)             | 反光(外)<br>LR(Ext)% | 热直射率<br>DET(%)             | 热反射率<br>ER(%) | 阳光得热系数<br>SF(%) | 遮阳系数<br>SC | W/m²·K<br>Air  | W/m²·K<br>Ar |
| 膜层在第二面<br>Coating on Pos.2 |                 |                          |                   |                            |               |                 |            |                |              |
| <中空配置><br>Sunergy® A Clear | 5-9-5mm         | 64                       | 13                | 45                         | 12            | 53              | 0.61       | 2.2            | 1.9          |
|                            | 5-12-5mm        | 64                       | 13                | 45                         | 12            | 53              | 0.60       | 2.0            | 1.8          |
|                            | 5-15-5mm        | 64                       | 13                | 45                         | 12            | 52              | 0.60       | 2.0            | 1.8          |
|                            | 6-9-6mm         | 63                       | 13                | 43                         | 12            | 52              | 0.60       | 2.2            | 1.9          |
|                            | 6-12-6mm        | 63                       | 13                | 43                         | 12            | 52              | 0.60       | 2.0            | 1.7          |
|                            | 6-15-6mm        | 63                       | 13                | 43                         | 12            | 52              | 0.59       | 2.0            | 1.8          |
|                            | 8-9-8mm         | 62                       | 12                | 40                         | 11            | 50              | 0.58       | 2.2            | 1.9          |
|                            | 8-12-8mm        | 62                       | 12                | 40                         | 11            | 50              | 0.57       | 2.0            | 1.8          |
|                            | 8-15-8mm        | 62                       | 12                | 40                         | 11            | 50              | 0.57       | 2.0            | 1.8          |
|                            | 10-9-10mm       | 60                       | 12                | 37                         | 11            | 48              | 0.56       | 2.2            | 1.9          |
|                            | 10-12-10mm      | 60                       | 12                | 37                         | 11            | 48              | 0.55       | 2.0            | 1.7          |
|                            | 10-15-10mm      | 60                       | 12                | 37                         | 11            | 48              | 0.55       | 2.0            | 1.8          |

\*Ar=Argon gas 氩气

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2. 如果中空玻璃的配置使用Sunergy A Clear+白玻/有色玻璃, 膜面在1号面是不允许的。

3. 如果中空玻璃的配置使用Sunergy A Clear+白玻, 建议膜层放在2号面或3号面。

4. 如果中空玻璃的配置使用Sunergy A Clear+有色玻璃, 建议膜层放在3号面。

5. 请通过此宣传册封底的联系方式联系我们以获取更多信息。

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2. In the case of Sunergy A Clear + Clear/tinted float glass IGU, coating surface of position 1 is not allowed.

3. In the case of Sunergy A Clear + Clear Float Glass IGU, coating surface of position 2 or position 3 is recommended.

4. In the case of Sunergy A Clear + Tinted Float Glass IGU, coating surface of position 3 is recommended.

5. For more information, contact the address of the catalog.

## Sunergy® A

阳光控制 低辐射LOW-E

Sunergy® 升级产品

### 夹胶配置性能参数

| 结构<br>Structure            | 厚度<br>Thickness | 光学性能<br>Light Properties |                   | 热学性能<br>Thermal Properties |               |                 |            | U-值<br>U Value<br>W/m²·K |
|----------------------------|-----------------|--------------------------|-------------------|----------------------------|---------------|-----------------|------------|--------------------------|
|                            |                 | 透光率<br>LT(%)             | 反光(外)<br>LR(Ext)% | 热直射率<br>DET(%)             | 热反射率<br>ER(%) | 阳光得热系数<br>SF(%) | 遮阳系数<br>SC |                          |
| 膜层在第四面<br>Coating on Pos.4 |                 |                          |                   |                            |               |                 |            |                          |
| <夹胶配置><br>Sunergy® A Clear | 5+0.38+5mm      | 69                       | 8                 | 47                         | 8             | 57              | 0.65       | 3.8                      |
|                            | 5+0.76+5mm      | 69                       | 8                 | 47                         | 8             | 57              | 0.65       | 3.8                      |
|                            | 5+1.14+5mm      | 69                       | 8                 | 46                         | 7             | 56              | 0.65       | 3.7                      |
|                            | 5+1.52+5mm      | 69                       | 8                 | 46                         | 7             | 56              | 0.64       | 3.7                      |
|                            | 6+0.38+6mm      | 68                       | 8                 | 46                         | 8             | 56              | 0.64       | 3.8                      |
|                            | 6+0.76+6mm      | 68                       | 8                 | 46                         | 7             | 56              | 0.64       | 3.7                      |
|                            | 6+1.14+6mm      | 68                       | 8                 | 45                         | 7             | 55              | 0.64       | 3.7                      |
|                            | 6+1.52+6mm      | 68                       | 8                 | 45                         | 7             | 55              | 0.63       | 3.7                      |
|                            | 8+0.76+8mm      | 67                       | 8                 | 42                         | 7             | 53              | 0.61       | 3.7                      |
|                            | 8+1.14+8mm      | 66                       | 8                 | 41                         | 7             | 53              | 0.61       | 3.7                      |
|                            | 8+1.52+8mm      | 66                       | 8                 | 41                         | 7             | 53              | 0.61       | 3.7                      |
|                            | 10+0.76+10mm    | 65                       | 8                 | 39                         | 7             | 51              | 0.59       | 3.7                      |
|                            | 10+1.14+10mm    | 65                       | 8                 | 39                         | 6             | 51              | 0.59       | 3.6                      |
| 10+1.52+10mm               | 65              | 8                        | 39                | 6                          | 51            | 0.59            | 3.6        |                          |

1. 上列玻璃性能参数, 按照ASHRAE standard/Window 7.2 Software.(NFRC 100-2010)计算。有关光学性能参数有正负3点公差, U值有正负0.1点公差。规格, 技术和其他参数是根据现有资料, 如有更改将不另行通知。以上表格所示数据为测试结果, 不作为性能保证。

2. 如果夹胶玻璃的配置使用 Sunergy A Clear+白玻/有色玻璃, 膜面在1号面是不允许的。

3. 如果夹胶玻璃的配置使用 Sunergy A Clear+白玻/有色玻璃, 建议膜层在4号面。

4. 请通过此宣传册封底的联系方式联系我们以获取更多信息。

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2. In the case of Sunergy A Clear + Clear/tinted float glass laminated glazing, coating surface of position 1 is not allowed.

3. In the case of Sunergy A Clear + Clear Float Glass IGU, coating surface of position 4 is recommended.

4. For more information, contact the address of the catalog.



**Sunergy® 48**  
高遮阳性 低辐射率

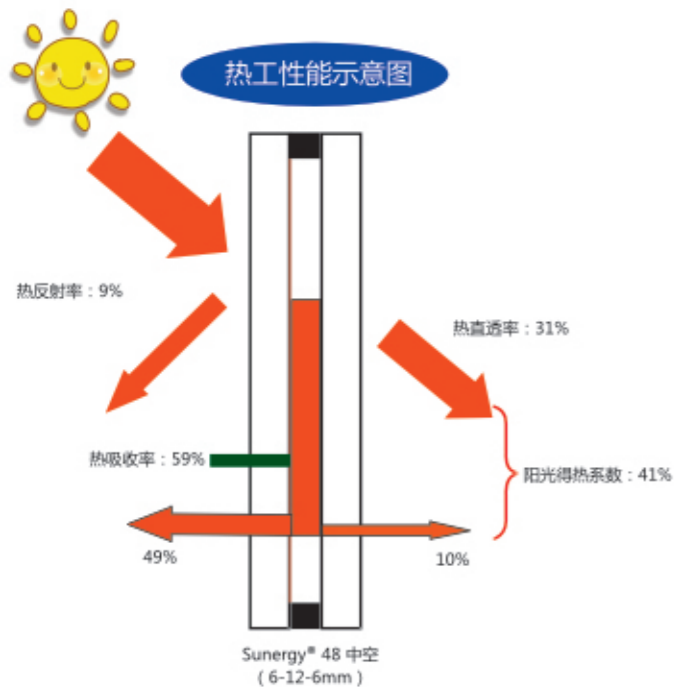
Sunergy® 48是AGC在线镀膜玻璃产品家族中的新一员。它承袭了Sunergy® Clear 优异的节能特性，突出的高遮阳性能使它更加适合夏热冬暖气候或其它需要高遮阳的环境。6+12(Air)+6mm(膜面在第二面)的中空配置下，Sunergy® 48组合的SC值降到了0.48。

Sunergy® 48在保证高遮阳性的同时，辐射率也很低，这表明Sunergy® 48很好的平衡了保温和遮阳两大功能。

Sunergy® 48自然的浅灰色系镀膜丰富了AGC在线镀膜玻璃产品的颜色，更好的提高了玻璃的隐私性，满足现代建筑时尚的审美要求。

**产品范围**

- 厚度  
标准厚度为5mm、6mm、8mm和10mm
- 标准尺寸  
3300mm x 2140mm, 3300mm x 2440mm 和 3300mm x 5100mm  
(可根据需要提供非标准尺寸和大板幅尺寸)



Sunergy® 48 is a new line-up of AGC online coated glass products. It has the typical energy saving properties of Sunergy® Clear, moreover, the excellent solar shading performance of Sunergy® 48 makes the best-fit for window application in summer hot and winter warm zone and also the environment which solar shading is required. At the condition of 6(Pos.2) +12(Air) + 6mm, SC value with Sunergy® 48 drops to 0.48.

Besides high solar shading, Sunergy® 48 also has low emissivity performance, That means it shows good balance of solar shading and thermal insulation.

The neutral greyish blue appearance expands the color range of AGC online coated glass products, and it's also suitable for privacy view and fashion aesthetics of modern architectures.

**Product Range**

- Thickness  
Standard thickness is 5mm, 6mm, 8mm & 10mm
- Standard Sizes  
3300mm x 2140mm, 3300mm x 2440mm & 3300mm x 5100mm  
(non-standard sizes & jumbo sizes are available upon request)



深圳健君园

**Sunergy® 48**  
高遮阳性 低辐射率

**产品特点**

- 在线硬镀膜，膜层非常坚硬
- 外观自然时尚，隐私性强
- 显著的高遮阳性能 (SC值低)
- 低辐射，保温隔热性能好
- 加工前和加工后性能参数一样持久稳定
- 经久耐用，易加工 (切割、夹层、钢化、弯钢、丝印)
- 合成中空玻璃时无需剔除边缘膜层，也无需特殊处理

**产品应用**

Sunergy® 48因其卓越的遮阳性能和优异的低辐射性能，特别适用于夏热冬暖气候地区的住宅和公共建筑等。

时尚的浅灰色调很好的满足了隐私性需求的建筑应用。



深圳梅山苑二期

**Product Benefits**

- Online hard coating
- Cool neutral color and privacy appearance effect
- High solar energy shading (Low SC value)
- Low emissivity function for thermal insulation
- Long and stable performance life (before and after processing)
- High durability, easy handling & processing (cutting, laminating, tempering, bending, screen-printing)
- No film deletion and no special handling requirement for IGU

**Product Applications**

Sunergy® 48 is mostly suitable for residential buildings and commercial buildings in summer hot and winter warm zone because of its excellent solar shading performance and low emissivity.

The fashionable greyish blue color fits for architectural application of privacy needs very well.



大连第九频道



**Sunergy® 48**  
高遮阳性 低辐射率

单片性能参数

| 结构<br>Structure            |                 | 光学性能<br>Light Properties |                   | 热学性能<br>Thermal Properties |               |                 |            | U-值<br>U Value      |
|----------------------------|-----------------|--------------------------|-------------------|----------------------------|---------------|-----------------|------------|---------------------|
| 膜层在第二面<br>Coating on Pos.2 | 厚度<br>Thickness | 透光率<br>LT(%)             | 反光(外)<br>LR(Ext)% | 热直射率<br>DET(%)             | 热反射率<br>ER(%) | 阳光得热系数<br>SF(%) | 遮阳系数<br>SC | W/m <sup>2</sup> ·K |
| <单片><br>Sunergy® 48        | 5 mm            | 52                       | 7                 | 38                         | 8             | 50              | 0.58       | 4.4                 |
|                            | 6 mm            | 52                       | 7                 | 38                         | 8             | 50              | 0.58       | 4.4                 |
|                            | 8 mm            | 51                       | 7                 | 37                         | 8             | 50              | 0.58       | 4.4                 |
|                            | 10 mm           | 52                       | 7                 | 36                         | 8             | 48              | 0.56       | 4.1                 |

中空配置性能参数

| 结构<br>Structure            |                 | 光学性能<br>Light Properties |                   | 热学性能<br>Thermal Properties |               |                 |            | U-值<br>U Value             |                           |
|----------------------------|-----------------|--------------------------|-------------------|----------------------------|---------------|-----------------|------------|----------------------------|---------------------------|
| 膜层在第二面<br>Coating on Pos.2 | 厚度<br>Thickness | 透光率<br>LT(%)             | 反光(外)<br>LR(Ext)% | 热直射率<br>DET(%)             | 热反射率<br>ER(%) | 阳光得热系数<br>SF(%) | 遮阳系数<br>SC | W/m <sup>2</sup> ·K<br>Air | W/m <sup>2</sup> ·K<br>Ar |
| <中空配置><br>Sunergy® 48      | 5-9-5mm         | 47                       | 9                 | 32                         | 9             | 42              | 0.49       | 2.4                        | 2.1                       |
|                            | 5-12-5mm        | 47                       | 9                 | 32                         | 9             | 42              | 0.48       | 2.2                        | 2.0                       |
|                            | 5-15-5mm        | 47                       | 9                 | 32                         | 9             | 41              | 0.48       | 2.2                        | 2.0                       |
|                            | 6-9-6mm         | 47                       | 9                 | 31                         | 9             | 42              | 0.48       | 2.4                        | 2.1                       |
|                            | 6-12-6mm        | 47                       | 9                 | 31                         | 9             | 41              | 0.48       | 2.2                        | 2.0                       |
|                            | 6-15-6mm        | 47                       | 9                 | 31                         | 9             | 41              | 0.47       | 2.2                        | 2.0                       |
|                            | 8-9-8mm         | 45                       | 9                 | 29                         | 9             | 41              | 0.47       | 2.4                        | 2.1                       |
|                            | 8-12-8mm        | 45                       | 9                 | 29                         | 9             | 40              | 0.47       | 2.2                        | 2.0                       |
|                            | 8-15-8mm        | 45                       | 9                 | 29                         | 9             | 40              | 0.46       | 2.2                        | 2.0                       |
|                            | 10-12-10mm      | 45                       | 9                 | 28                         | 9             | 39              | 0.45       | 2.1                        | 1.9                       |
|                            | 10-15-10mm      | 45                       | 9                 | 28                         | 9             | 39              | 0.45       | 2.1                        | 1.9                       |

\*Ar=Argon 气

1. 上列玻璃性能参数, 按照ASHRAE standard/Window 5.2 Software.(NFRC 100-2001)计算。有关光学性能参数有正负3点公差, U值有正负0.1点公差。规格、技术和其他参数是根据现有资料, 如有更改将不另行通知。以上表格所示数据为测试结果, 不作为性能保证。
2. 如果中空玻璃的配置使用Sunergy 48+白玻/有色玻璃, 膜面在1号面是不允许的。
3. 如果中空玻璃的配置使用Sunergy 48+白玻, 建议膜层放在2号面或3号面。
4. 请通过此宣传册封底的联系方式联系我们以获取更多信息。
1. All data are calculated using spectral measurements that are conform to standards ASHRAE standard(NFRC 100-2001). The tolerance of published data with respect to photometric properties is +/- 3 points. The U-value tolerance is +/- 0.1 W/m<sup>2</sup>·K Specifications, technical and other data are based on information available at the time of preparation this document and are subject to change without prior notice.The value and performance data shown in the tables are test results and not performance guarantees.
2. In the case of Sunergy 48 + Clear/tinted float glass IGU, coating surface of position 1 is not allowed.
3. In the case of Sunergy 48 + Clear Float Glass IGU, coating surface of position 2 or position 3 is recommended.
4. For more information, contact the address of the catalog.

**Sunergy® 48**  
高遮阳性 低辐射率

夹胶配置性能参数

| 结构<br>Structure            |                 | 光学性能<br>Light Properties |                   | 热学性能<br>Thermal Properties |               |                 |            | U-值<br>U Value      |
|----------------------------|-----------------|--------------------------|-------------------|----------------------------|---------------|-----------------|------------|---------------------|
| 膜层在第四面<br>Coating on Pos.4 | 厚度<br>Thickness | 透光率<br>LT(%)             | 反光(外)<br>LR(Ext)% | 热直射率<br>DET(%)             | 热反射率<br>ER(%) | 阳光得热系数<br>SF(%) | 遮阳系数<br>SC | W/m <sup>2</sup> ·K |
| <夹胶配置><br>Sunergy® 48      | 5+0.38+5mm      | 51                       | 7                 | 34                         | 7             | 48              | 0.56       | 4.3                 |
|                            | 5+0.76+5mm      | 51                       | 7                 | 34                         | 6             | 48              | 0.56       | 4.2                 |
|                            | 5+1.14+5mm      | 51                       | 7                 | 33                         | 6             | 48              | 0.55       | 4.2                 |
|                            | 5+1.52+5mm      | 51                       | 6                 | 33                         | 6             | 47              | 0.55       | 4.2                 |
|                            | 6+0.38+6mm      | 50                       | 7                 | 33                         | 7             | 47              | 0.55       | 4.2                 |
|                            | 6+0.76+6mm      | 50                       | 7                 | 33                         | 6             | 47              | 0.55       | 4.2                 |
|                            | 6+1.14+6mm      | 50                       | 7                 | 32                         | 6             | 47              | 0.55       | 4.2                 |
|                            | 6+1.52+6mm      | 50                       | 7                 | 32                         | 6             | 47              | 0.55       | 4.1                 |
|                            | 8+0.76+8mm      | 49                       | 6                 | 31                         | 6             | 46              | 0.54       | 4.1                 |
|                            | 8+1.14+8mm      | 49                       | 6                 | 30                         | 6             | 46              | 0.54       | 4.1                 |
|                            | 8+1.52+8mm      | 49                       | 6                 | 30                         | 6             | 46              | 0.53       | 4.1                 |
|                            | 10+0.76+10mm    | 50                       | 7                 | 29                         | 6             | 44              | 0.52       | 3.9                 |
|                            | 10+1.14+10mm    | 50                       | 7                 | 29                         | 6             | 44              | 0.52       | 3.9                 |
|                            | 10+1.52+10mm    | 50                       | 7                 | 29                         | 6             | 45              | 0.52       | 3.8                 |

1. 上列玻璃性能参数, 按照ASHRAE standard/Window 5.2 Software.(NFRC 100-2001)计算。有关光学性能参数有正负3点公差, U值有正负0.1点公差。规格、技术和其他参数是根据现有资料, 如有更改将不另行通知。以上表格所示数据为测试结果, 不作为性能保证。
2. 如果夹胶玻璃的配置使用 Sunergy 48+白玻/有色玻璃, 膜面在1号面是不允许的。
3. 如果夹胶玻璃的配置使用 Sunergy 48+白玻/有色玻璃, 建议膜层在4号面。
4. 请通过此宣传册封底的联系方式联系我们以获取更多信息。

1. All data are calculated using spectral measurements that are conform to standards ASHRAE standard(NFRC 100-2001). The tolerance of published data with respect to photometric properties is +/- 3 points. The U-value tolerance is +/- 0.1 W/m<sup>2</sup>·K Specifications, technical and other data are based on information available at the time of preparation this document and are subject to change without prior notice.The value and performance data shown in the tables are test results and not performance guarantees.
2. In the case of Sunergy 48 + Clear/tinted float glass laminated glazing, coating surface of position 1 is not allowed.
3. In the case of Sunergy 48 + Clear/tinted float glass laminated glazing, coating surface of position 4 is recommended.
4. For more information, contact the address of the catalog.



**Stopsol®**  
阳光控制 高反射率

**经得起时间考验的反射玻璃**

Stopsol® 是一种反射玻璃，是采用CVD(化学气相沉积)工艺在玻璃表面形成一层均匀超薄的氧化金属膜。

Stopsol® 玻璃能够反射来自太阳的光线，具有非常好的遮阳性能。膜面耐久性好，抗分解力强。同时，阳光反射还能提高玻璃的隐私性和舒适性。

**产品种类**

AGC欧洲 Stopsol有三款镀膜产品系列，Stopsol Classic, Supersilver, Silverlight。AGC大连工厂目前可生产两款净色Stopsol系列产品，分别是

**Stopsol® Supersilver Clear**

**Stopsol® Silverlight Clear**

其膜层镀在净色浮法玻璃表面，同时具备高反射率和高遮阳的特点。

Stopsol® is a solar control glass with a reflective pyrolytic coating which is applied to the surface of float glass with a thin metal oxide by online CVD (Chemical Vapor Deposition) method.

Stopsol® glass provides high solar shading performance by reflecting a large degree of the sun's heat. It has strong surface durability and resistance to degradation. And reflecting glasses offer privacy and visual comfort from outside view.

**Products Category**

AGC Europe's Stopsol brand comprises three types of coating: Stopsol Classic, Supersilver, Silverlight. AFD(Dalian) now can provide the following two types of clear products,

- Stopsol® Supersilver Clear
- Stopsol® Silverlight Clear

Their coatings are applied to the surface of clear float glass with high light reflection and solar control characteristics.



西班牙石油能源总部



清华大学环境中心

**Stopsol®**  
阳光控制 高反射率

**经得起时间考验的反射玻璃**

**产品特点**

- 在线硬镀膜，膜层非常坚硬
- 卓越的遮阳性能、反射率高，隐私效果好
- 外观颜色自然、热能控制及透光率选择广泛
- 不受任何限制，可运用在各种建筑设计
- 经久耐用，易储存、易加工，易处理（切割、钢化、夹胶、弯钢、丝印）
- 可单片使用（膜层在一号面或二号面）
- 合中空时，无需剔除边缘膜层，也无需特殊处理

Stopsol®玻璃的外观主要取决于以下三个因素：

- 原片的颜色
- 镀膜的颜色
- 镀膜的厚度和位置

当膜层在一号面时（朝外），玻璃外观受周围环境影响，反射率增强；当膜层在二号面时（朝里），受净色基片的颜色影响，外观颜色自然美观，创造视觉上的美学效果。

**产品应用**

Stopsol®产品由于其卓越的遮阳性能、高反射率及良好的隐私效果，产品应用广泛，适用于建筑的内装、外装及工业领域，比如烤箱等。

**Product Benefits**

- Online hard coating
- Excellent Solar Control, High Reflection and Superb privacy properties
- Neutral appearance and wide option of solar control and LT value.
- Limitless creativity: one range can be used for all applications
- High durability, easy handling & easy processing (Cutting, laminating, tempering, bending, screen-printing) Can be used as single glazing (surface position1# or 2#)
- No film deletion and no special handling requirement for IGU

The final appearance of Stopsol® will depend on the following factor,

- the color of the substrate
- the coating color
- the thickness and the position of the coating

If the coating is placed in #1 (outside), the appearance will be influenced by the surrounding environment and will have an increased level of reflection, if it is placed in #2 (inside), then the appearance will be more influenced by the clear color of substrate, showing neutral appearance while remaining aesthetically pleasing.

**Product Applications**

Thanks to its excellent solar control, reflection and privacy characteristics, Stopsol® can be widely applied in architectural fields, interior and exterior, and industrial fields, such as oven.

**产品范围 Product Range**

| 产品 Products                | 标准厚度 Standard Thickness | 标准尺寸 Standard Size                              |
|----------------------------|-------------------------|---|
| Stopsol® Supersilver Clear | 4mm-5mm-6mm-8mm-10mm    | 3300mm*2440mm<br>3300mm*2140mm<br>3300mm*5100mm |
| Stopsol® Silverlight Clear | 4mm-5mm-6mm-8mm-10mm    | 3300mm*5100mm                                   |

\*可根据需要提供非标准厚度、尺寸

\*The customized thickness and size can be provided upon your request.



Stopsol®

阳光控制 高反射率

经得起时间考验的反射玻璃

单片性能参数

| 玻璃产品<br>Glass Product                 | 厚度<br>(毫米)<br>Thickness<br>(mm) | 可见光 Light characteristics |                | 太阳能 Energy characteristics |                      |                      |                             | U-值<br>(W/m²·K) |                                |
|---------------------------------------|---------------------------------|---------------------------|----------------|----------------------------|----------------------|----------------------|-----------------------------|-----------------|--------------------------------|
|                                       |                                 | 透光率<br>Trans.<br>(%)      | 反射率 Reflection |                            | 热透率<br>Trans.<br>(%) | 热反射率<br>Refl.<br>(%) | 热能系数<br>Solar Factor<br>(%) |                 | 遮阳系数<br>Shading<br>Coefficient |
|                                       |                                 |                           | 外 Out          | 内 In                       |                      |                      |                             |                 |                                |
| L.T.                                  | L.R.                            | D.E.T.                    | E.R.           | S.F.                       | S.C.                 |                      |                             |                 |                                |
| Stopsol® Supersilver Clear<br>(pos.2) | 4                               | 63                        | 36             | 68                         | 25                   | 70                   | 0.81                        | 5.9             |                                |
|                                       | 5                               | 63                        | 37             | 68                         | 26                   | 70                   | 0.81                        | 5.8             |                                |
|                                       | 6                               | 62                        | 34             | 64                         | 23                   | 68                   | 0.78                        | 5.8             |                                |
|                                       | 8                               | 62                        | 33             | 61                         | 21                   | 66                   | 0.76                        | 5.7             |                                |
| Stopsol® Silverlight Clear<br>(pos.2) | 4                               | 71                        | 27             | 73                         | 19                   | 75                   | 0.87                        | 5.9             |                                |
|                                       | 5                               | 69                        | 29             | 73                         | 21                   | 74                   | 0.86                        | 5.8             |                                |

中空配置性能参数

| 结构<br>Structure<br>膜面在第二层<br>Coating on Pos.2   | 厚度<br>(毫米)<br>Thickness<br>(mm) | 可见光 Light characteristics |                | 太阳能 Energy characteristics |                      |                      |                             | U-值<br>(W/m²·K)                |     |    |
|---|---------------------------------|---------------------------|----------------|----------------------------|----------------------|----------------------|-----------------------------|--------------------------------|-----|----|
|   |                                 | 透光率<br>Trans.<br>(%)      | 反射率 Reflection |                            | 热透率<br>Trans.<br>(%) | 热反射率<br>Refl.<br>(%) | 热能系数<br>Solar Factor<br>(%) | 遮阳系数<br>Shading<br>Coefficient | Air | Ar |
|   |                                 |                           | 外 Out          | 内 In                       |                      |                      |                             |                                |     |    |
| L.T.  | L.R.                            | D.E.T.                    | E.R.           | S.F.                       | S.C.                 | Air                  | Ar                          |                                |     |    |
| 〈中空配置〉<br>Stopsol® Supersilver Clear<br>(pos.2) | 4-9-4mm                         | 58                        | 39             | 59                         | 29                   | 63                   | 0.73                        | 2.9                            | 2.7 |    |
|   | 4-12-4mm                        | 58                        | 39             | 59                         | 29                   | 63                   | 0.73                        | 2.7                            | 2.6 |    |
|   | 4-15-4mm                        | 58                        | 39             | 59                         | 29                   | 63                   | 0.73                        | 2.7                            | 2.6 |    |
|   | 5-9-5mm                         | 58                        | 40             | 58                         | 30                   | 63                   | 0.72                        | 2.9                            | 2.6 |    |
|   | 5-12-5mm                        | 58                        | 40             | 58                         | 30                   | 63                   | 0.72                        | 2.7                            | 2.5 |    |
|   | 5-15-5mm                        | 58                        | 40             | 58                         | 30                   | 63                   | 0.72                        | 2.7                            | 2.6 |    |
|   | 6-9-6mm                         | 57                        | 38             | 53                         | 26                   | 60                   | 0.68                        | 2.8                            | 2.6 |    |
|   | 6-12-6mm                        | 57                        | 38             | 53                         | 26                   | 60                   | 0.69                        | 2.7                            | 2.5 |    |
|   | 6-15-6mm                        | 57                        | 38             | 53                         | 26                   | 60                   | 0.69                        | 2.7                            | 2.5 |    |
|   | 8-9-8mm                         | 56                        | 36             | 48                         | 24                   | 57                   | 0.66                        | 2.8                            | 2.6 |    |
|   | 8-12-8mm                        | 56                        | 36             | 48                         | 24                   | 57                   | 0.66                        | 2.7                            | 2.5 |    |
|   | 8-15-8mm                        | 56                        | 36             | 48                         | 24                   | 57                   | 0.66                        | 2.7                            | 2.5 |    |
|   | 10-9-10mm                       | 54                        | 36             | 46                         | 24                   | 57                   | 0.65                        | 2.8                            | 2.6 |    |
|   | 10-12-10mm                      | 54                        | 36             | 46                         | 24                   | 57                   | 0.65                        | 2.6                            | 2.5 |    |
| 10-15-10mm                                      | 54                              | 36                        | 46             | 24                         | 57                   | 0.65                 | 2.6                         | 2.5                            |     |    |
| 〈中空配置〉<br>Stopsol® Silverlight Clear<br>(pos.2) | 4-9-4mm                         | 65                        | 31             | 63                         | 23                   | 68                   | 0.78                        | 2.9                            | 2.7 |    |
|   | 4-12-4mm                        | 65                        | 31             | 63                         | 23                   | 68                   | 0.78                        | 2.7                            | 2.6 |    |
|   | 4-15-4mm                        | 65                        | 31             | 63                         | 23                   | 68                   | 0.78                        | 2.7                            | 2.6 |    |
|   | 5-9-5mm                         | 63                        | 33             | 61                         | 25                   | 67                   | 0.77                        | 2.9                            | 2.6 |    |
|   | 5-12-5mm                        | 63                        | 33             | 61                         | 25                   | 67                   | 0.77                        | 2.7                            | 2.5 |    |
|   | 5-15-5mm                        | 63                        | 33             | 61                         | 25                   | 67                   | 0.77                        | 2.7                            | 2.6 |    |

Remarks:  
 上列玻璃性能参数,按照ASHRAE standard/Window 7.2 Software.(NFRC 100-2010)计算。有关光学性能参数有正负3点公差, U值有正负0.1点公差。规格,技术和其他参数是根据现有资料,如有更改将不另行通知。以上表格所示数据为测试结果,不作为性能保证。  
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Stopsol®

阳光控制 高反射率

经得起时间考验的反射玻璃

夹胶配置性能参数

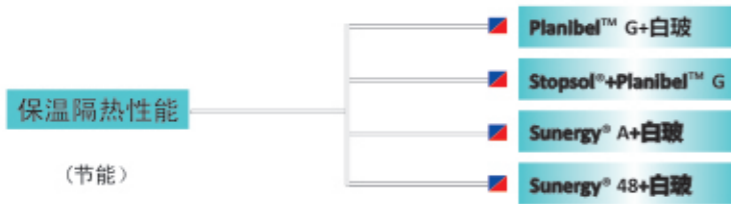
| 结构<br>Structure<br>膜面在第四面<br>Coating on Pos.4 | 厚度<br>(毫米)<br>Thickness<br>(mm)      | 可见光 Light characteristics |                | 太阳能 Energy characteristics |                      |                      |                             | U-值<br>(W/m²·K) |                                |
|---|--------------------------------------|---------------------------|----------------|----------------------------|----------------------|----------------------|-----------------------------|-----------------|--------------------------------|
|   |                                      | 透光率<br>Trans.<br>(%)      | 反射率 Reflection |                            | 热透率<br>Trans.<br>(%) | 热反射率<br>Refl.<br>(%) | 热能系数<br>Solar Factor<br>(%) |                 | 遮阳系数<br>Shading<br>Coefficient |
|   |                                      |                           | 外 Out          | 内 In                       |                      |                      |                             |                 |                                |
| L.T.  | L.R.                                 | D.E.T.                    | E.R.           | S.F.                       | S.C.                 |                      |                             |                 |                                |
| 〈夹胶配置〉<br>Stopsol® Supersilver Clear          | 4+0.38+4mm                           | 61                        | 34             | 60                         | 22                   | 66                   | 0.76                        | 5.7             |                                |
|   | 4+0.76+4mm                           | 61                        | 34             | 59                         | 22                   | 65                   | 0.75                        | 5.6             |                                |
|   | 4+1.14+4mm                           | 61                        | 34             | 58                         | 21                   | 64                   | 0.74                        | 5.6             |                                |
|   | 4+1.52+4mm                           | 61                        | 34             | 57                         | 21                   | 64                   | 0.73                        | 5.5             |                                |
|   | 5+0.38+5mm                           | 61                        | 35             | 59                         | 22                   | 65                   | 0.75                        | 5.6             |                                |
|   | 5+0.76+5mm                           | 61                        | 35             | 58                         | 22                   | 64                   | 0.74                        | 5.6             |                                |
|   | 5+1.14+5mm                           | 61                        | 35             | 56                         | 21                   | 63                   | 0.73                        | 5.5             |                                |
|   | 5+1.52+5mm                           | 61                        | 35             | 56                         | 21                   | 63                   | 0.72                        | 5.5             |                                |
|   | 6+0.38+6mm                           | 60                        | 33             | 54                         | 19                   | 62                   | 0.72                        | 5.6             |                                |
|   | 6+0.76+6mm                           | 60                        | 33             | 53                         | 19                   | 62                   | 0.71                        | 5.5             |                                |
|   | 6+1.14+6mm                           | 60                        | 32             | 52                         | 19                   | 61                   | 0.70                        | 5.4             |                                |
|   | 6+1.52+6mm                           | 60                        | 32             | 51                         | 18                   | 61                   | 0.70                        | 5.4             |                                |
|   | 8+0.38+8mm                           | 60                        | 31             | 50                         | 17                   | 60                   | 0.69                        | 5.4             |                                |
|   | 8+0.76+8mm                           | 60                        | 31             | 49                         | 17                   | 60                   | 0.69                        | 5.4             |                                |
|   | 8+1.14+8mm                           | 59                        | 31             | 48                         | 17                   | 59                   | 0.68                        | 5.3             |                                |
|   | 8+1.52+8mm                           | 59                        | 30             | 47                         | 17                   | 59                   | 0.68                        | 5.3             |                                |
|   | 10+0.76+10mm                         | 58                        | 30             | 47                         | 17                   | 59                   | 0.67                        | 5.3             |                                |
|   | 10+1.14+10mm                         | 58                        | 30             | 46                         | 16                   | 58                   | 0.67                        | 5.2             |                                |
|   | 10+1.52+10mm                         | 57                        | 29             | 45                         | 16                   | 58                   | 0.66                        | 5.2             |                                |
|   | 〈夹胶配置〉<br>Stopsol® Silverlight Clear | 4+0.38+4mm                | 70             | 26                         | 65                   | 17                   | 70                          | 0.81            | 5.7                            |
| 4+0.76+4mm                                    |                                      | 70                        | 26             | 63                         | 16                   | 70                   | 0.80                        | 5.6             |                                |
| 4+1.14+4mm                                    |                                      | 69                        | 26             | 62                         | 16                   | 69                   | 0.79                        | 5.6             |                                |
| 4+1.52+4mm                                    |                                      | 69                        | 26             | 61                         | 16                   | 68                   | 0.78                        | 5.5             |                                |
| 5+0.38+5mm                                    |                                      | 67                        | 28             | 63                         | 18                   | 69                   | 0.79                        | 5.6             |                                |
| 5+0.76+5mm                                    |                                      | 67                        | 28             | 61                         | 17                   | 68                   | 0.78                        | 5.6             |                                |
| 5+1.52+5mm                                    |                                      | 67                        | 27             | 59                         | 17                   | 67                   | 0.77                        | 5.5             |                                |

Remarks:  
 上列玻璃性能参数,按照ASHRAE standard/Window 7.2 Software.(NFRC 100-2010)计算。有关光学性能参数有正负3点公差, U值有正负0.1点公差。规格,技术和其他参数是根据现有资料,如有更改将不另行通知。以上表格所示数据为测试结果,不作为性能保证。  
 All data are calculated using spectral measurements that are conform to standards ASHRAE standard(NFRC 100-2010). The tolerance of published data with respect to photometric properties is +/- 3 points.The U-value tolerance is +/- 0.1 W/m²·K.Specifications, technical and other data are based on information available at the time of preparation this document and are subject to change without prior notice.The value and performance data shown in the tables are test results and not performance guarantees.





尊敬的客户，如果由您来挑选节能玻璃，您最关注的是什么呢？  
Dear customer, what is your concern during glass selection?



如果保温隔热性是您对玻璃的首选条件，LOW-E中空将会是您的最佳选择，我们推荐使用Planibel™ G+白玻中空组合达到最佳的热舒适度，当然Stopsol®+Planibel™ G、Sunergy® A+白玻和Sunergy® 48+白玻的中空组合也能有不错的效果。

If thermal insulation is your first priority, Low E IGU is the best choice. We recommend Planibel™ G+clear float IGU to get the best effect. Stopsol® +Planibel™ G Sunergy® A + clear float IGU and Sunergy® 48 + clear float IGU are also good choices.



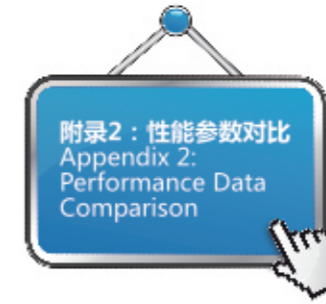
如果遮阳性能是您对玻璃的首选条件，我们推荐您使用新品Sunergy® 48+白玻中空组合，因为它具有显著的高遮阳性能。Planibel™ G+有色玻璃，Stopsol® +Planibel™ G、Stopsol® +白玻、Sunergy® A+白玻和Planibel™ G+白玻也不错。另外Sunergy® 48的单片应用也可以是您的一种选择。

If solar shading is your first priority, we recommend new product Sunergy® 48+ clear float for its outstanding solar shading efficiency. Planibel™ G+ tinted glass, Stopsol® + Planibel™ G, Stopsol® + clear float, Sunergy® A+ clear float and Planibel™ G+ clear float are also good. As an option, you can choose Sunergy® 48 for single pane usage.



如果外观颜色是您对玻璃的首选条件，自然通透的颜色我们推荐使用Planibel™ G；与环境融合，能映衬周边环境的颜色我们推荐使用Planibel™ G和Sunergy® A；时尚浅灰的颜色，我们推荐使用新品Sunergy® 48。

If appearance is your first priority, we recommend Planibel™ G for its neutral and transparent color; We recommend Planibel™ G and Sunergy® A for its neutral color and environment harmonized color; We recommend new product Sunergy® 48 for its fashion grayish blue color.



单片性能参数

| 结构 Structure            |                            | 光学性能 Light Properties |                | 热学性能 Thermal Properties |            |              |         | U-值 U Value         |     |
|-------------------------|----------------------------|-----------------------|----------------|-------------------------|------------|--------------|---------|---------------------|-----|
| 膜层在第二面 Coating on Pos.2 | 厚度 Thickness               | 透过率 LT%               | 反射(外) LR(Ext)% | 热直射率 DET(%)             | 热反射率 ER(%) | 阳光得热系数 SF(%) | 遮阳系数 SC | W/m <sup>2</sup> ·K |     |
| <单片>                    | Planibel™ G                | 6mm                   | 81             | 11                      | 67         | 10           | 71      | 0.82                | 3.7 |
|                         | Sunergy® A Clear           | 6mm                   | 71             | 9                       | 52         | 9            | 60      | 0.69                | 3.9 |
|                         | Sunergy® 48                | 6mm                   | 52             | 7                       | 38         | 8            | 50      | 0.58                | 4.4 |
|                         | Stopsol® Supersilver Clear | 6mm                   | 62             | 34                      | 64         | 23           | 68      | 0.78                | 5.8 |
|                         | Stopsol® Silverlight Clear | 5mm                   | 69             | 29                      | 73         | 21           | 74      | 0.86                | 5.8 |

中空配置性能参数

| 结构 Structure            |                            | 光学性能 Light Properties |                | 热学性能 Thermal Properties |            |              |         | U-值 U Value             |                         |     |
|-------------------------|----------------------------|-----------------------|----------------|-------------------------|------------|--------------|---------|-------------------------|-------------------------|-----|
| 膜层在第二面 Coating on Pos.2 | 厚度 Thickness               | 透过率 LT%               | 反射(外) LR(Ext)% | 热直射率 DET(%)             | 热反射率 ER(%) | 阳光得热系数 SF(%) | 遮阳系数 SC | W/m <sup>2</sup> ·K Air | W/m <sup>2</sup> ·K Air |     |
| <中空配置>                  | Planibel™ G                | 6-12-6mm              | 73             | 16                      | 55         | 14           | 63      | 0.73                    | 1.9                     | 1.6 |
|                         | Sunergy® A Clear           | 6-12-6mm              | 63             | 13                      | 43         | 12           | 52      | 0.60                    | 2.0                     | 1.7 |
|                         | Sunergy® 48                | 6-12-6mm              | 47             | 9                       | 31         | 9            | 41      | 0.48                    | 2.2                     | 2.0 |
|                         | Stopsol® Supersilver Clear | 6-12-6mm              | 57             | 38                      | 53         | 26           | 60      | 0.69                    | 2.7                     | 2.5 |
|                         | Stopsol® Silverlight Clear | 5-12-5mm              | 63             | 33                      | 61         | 25           | 67      | 0.77                    | 2.7                     | 2.5 |

夹胶配置性能参数

| 结构 Structure            |                            | 光学性能 Light Properties |                | 热学性能 Thermal Properties |            |              |         | U-值 U Value         |     |
|-------------------------|----------------------------|-----------------------|----------------|-------------------------|------------|--------------|---------|---------------------|-----|
| 膜层在第二面 Coating on Pos.2 | 厚度 Thickness               | 透过率 LT%               | 反射(外) LR(Ext)% | 热直射率 DET(%)             | 热反射率 ER(%) | 阳光得热系数 SF(%) | 遮阳系数 SC | W/m <sup>2</sup> ·K |     |
| <夹胶配置>                  | Planibel™ G                | 6-1.52-6mm            | 78             | 10                      | 56         | 8            | 63      | 0.73                | 3.5 |
|                         | Sunergy® A Clear           | 6-1.52-6mm            | 68             | 8                       | 45         | 7            | 55      | 0.63                | 3.7 |
|                         | Sunergy® 48                | 6-1.52-6mm            | 50             | 7                       | 32         | 6            | 47      | 0.55                | 4.1 |
|                         | Stopsol® Supersilver Clear | 6-1.52-6mm            | 60             | 32                      | 51         | 18           | 61      | 0.70                | 5.4 |
|                         | Stopsol® Silverlight Clear | 5-1.52-5mm            | 67             | 27                      | 59         | 17           | 67      | 0.77                | 5.5 |

\*Ar=Argon gas 氩气

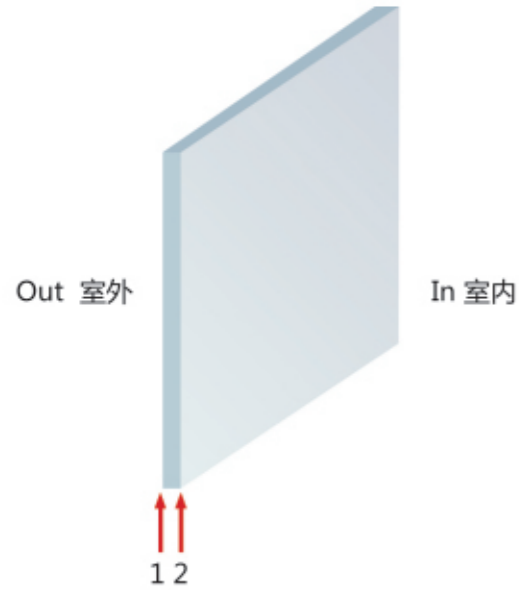
上列玻璃性能参数，按照ASHRAE standard/Window 5.2 Software.(NFRC 100-2001)计算。有关光学性能参数有正负3点公差，U值有正负0.1点公差。规格、技术和其他参数是根据现有资料，如有更改将不另行通知。以上表格所示数据为测试结果，不作为性能保证。

All data are calculated using spectral measurements that are conform to standards ASHRAE standard(NFRC 100-2001). The tolerance of published data with respect to photometric properties is +/- 3 points. The U-value tolerance is +/- 0.1 W/m<sup>2</sup>·K Specifications, technical and other data are based on information available at the time of preparation this document and are subject to change without prior notice. The value and performance data shown in the tables are test results and not performance guarantees.

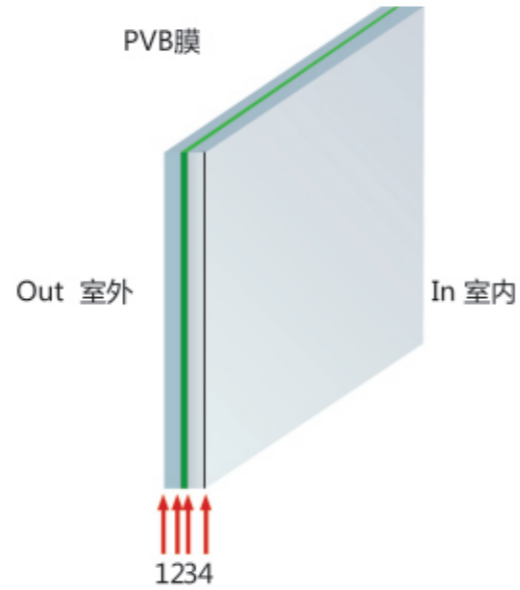




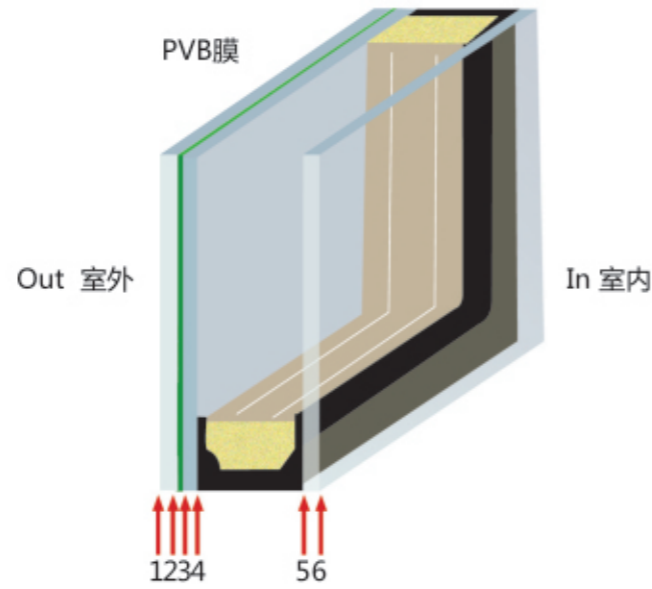
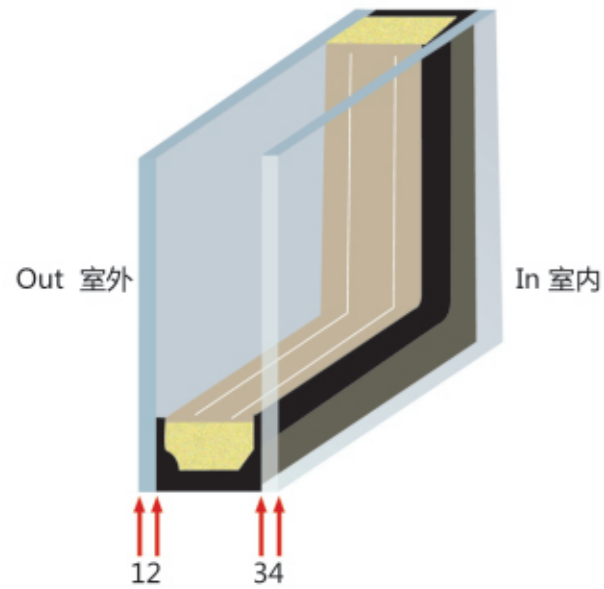
单片玻璃/Single Glazing



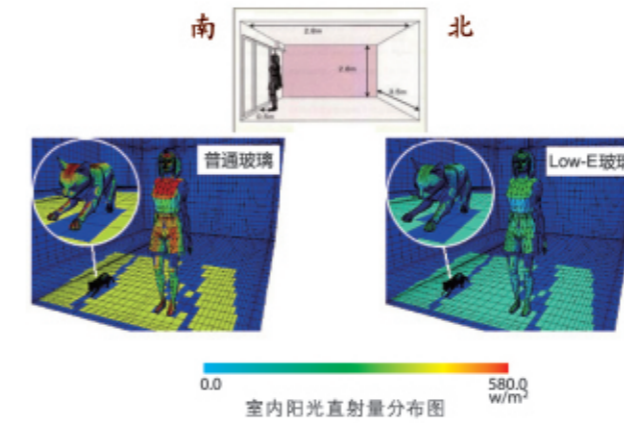
夹胶玻璃/Laminated Glass



中空玻璃/Double Glazing

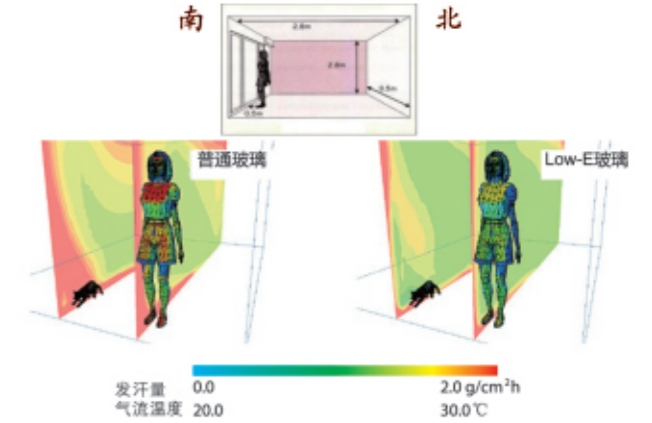


Solar Radiation Distribution in Summer  
太阳辐射分布——夏季



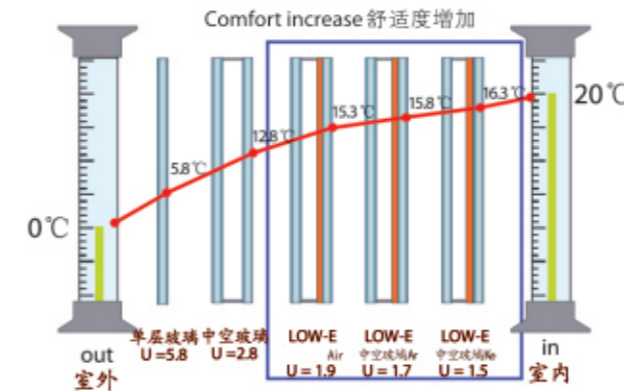
使用LOW-E玻璃, 在夏季可以减少进入室内的再次辐射热量, 保持室内的凉爽舒适。  
In summer, low-E glass will reduce the amount of re-radiated heat entering into the room and keep cool and comfortable in the room.

Temperature Distribution in Summer  
温度分布——夏季



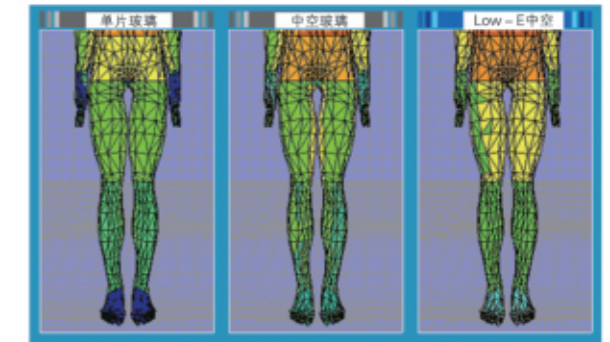
使用LOW-E玻璃, 在夏季可以减少温度不均匀。  
In summer, Low-E glass will reduce the temperature difference of indoor climate and improve thermal comfort.

U-value & Comfort in Winter  
U值和舒适度——冬季



使用LOW-E玻璃, 在冬季可以减少进入室内的热量流失, 保持较高的窗户表面温度。  
In winter, Low-E glass will reduce the uncomfortable cold draft in the room, and keep higher indoor window temperature

Skin Temperature Distribution in Winter  
皮肤温度分布——冬季



使用LOW-E玻璃, 在冬季可以减少皮肤表面温差带来的不适感, 提高热舒适度。  
In winter, Low-E glass will reduce the uncomfortable temperature difference of body surface, and improve thermal comfort.



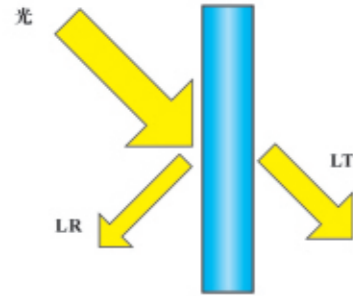


透光率 (LT)

是指用D65的光源照射玻璃时, 光谱范围在380到780纳米的可见光线的穿透量与入射量的比率。

反光率 (LR)

指用D65的光源照射玻璃时, 光谱范围在380到780纳米的可见光线的反射量与入射量的比率。



热直透率 (DET)

是指光谱范围在300 ~ 2500纳米的太阳能直接穿透玻璃的百分比。(根据EN410计算)

热反射率 (ER)

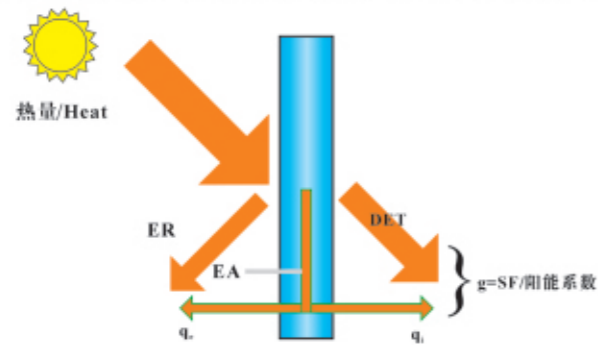
是指光谱范围在300 ~ 2500纳米被玻璃反射的太阳能的百分比。

阳光得热系数 (SF)

幕墙玻璃的阳能系数是指穿透玻璃进入室内的总太阳热量与总入射太阳热量的比率。进入室内的总太阳热量是指直接穿透玻璃进入室内的热量与热量被玻璃吸收之后被再次辐射进入室内的热量。

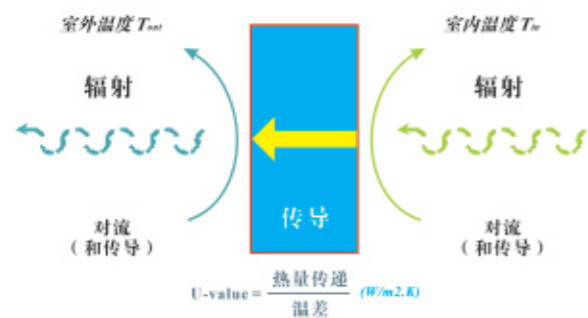
遮阳系数 (SC)

此系数是阳能系数除以0.87得到的, 0.87是3mm厚的净色浮法玻璃的阳能系数。



U值

热传递系数 (U值或K值) 是指室内外温差为1度, 单位时间内穿透1平米玻璃的Watts热量。



| 玻璃品种         | 品牌   | 玻璃应用   |    |       |    |    |     |    |    |    |      |      |     |         |           |
|--------------|--|--------|----|-------|----|----|-----|----|----|----|------|------|-----|---------|-----------|
|              |  | 建筑&外立面 |    | 内装&设计 |    |    |     |    |    | 电器 |      | 博物馆  | 太阳能 |         |           |
|              |  | 外立面    | 天窗 | 墙面    | 隔断 | 家具 | 沐浴房 | 地板 | 栏杆 | 框架 | 家用电器 | 电子器械 | 化妆镜 | 陈列柜/展示柜 | 电池板/TCO基板 |
| <b>浮白玻璃</b>  |  |        |    |       |    |    |     |    |    |    |      |      |     |         |           |
| 白玻           | Panasap/Planibel®                              | ○      | ○  | ○     | ○  | ○  | ○   | ○  | ○  | ○  | ○    | ○    | ○   | ○       | ○         |
| 色玻           | Panasap/Planibel®                              | ○      | ○  | ○     | ○  | ○  | ○   | ○  | ○  | ○  | ○    | ○    | ○   | ○       | ○         |
| 超白           | Planibel® Clearvision(超白)<br>Solar extra-clear | ○      | ○  | ○     | ○  | ○  | ○   | ○  | ○  | ○  | ○    | ○    | ○   | ○       | ○         |
| <b>镀膜玻璃</b>  |  |        |    |       |    |    |     |    |    |    |      |      |     |         |           |
| 阳光控制         | Sunergy® 48                                    | ○      | ○  |       |    |    |     |    |    |    |      |      |     |         |           |
|              | Stopsol®                                       | ○      | ○  | ○     | ○  |    |     |    |    |    | ○    | ○    |     |         |           |
|              | T Sunlux                                       | ○      | ○  | ○     | ○  |    |     |    |    |    |      |      |     |         |           |
| 阳光控制Low E    | Sunergy® (AGC Europe)                          | ○      | ○  |       |    |    |     |    |    |    |      |      |     |         |           |
|              | Sunergy® A                                     | ○      | ○  |       |    |    |     |    |    |    |      |      |     |         |           |
| Low E        | Planibel™ G                                    | ○      | ○  |       |    |    |     |    |    |    |      |      |     |         |           |
|              | iplus Antifog                                  | ○      | ○  |       |    |    |     |    |    |    |      |      |     |         |           |
|              | iplus Energy NT                                | ○      | ○  |       |    |    |     |    |    |    |      |      |     |         |           |
| 高性能阳光控制Low E | Stopray  | ○      | ○  |       |    |    |     |    |    |    |      |      |     |         |           |
| 减反射玻璃        | Clearsight™                                    | ○      |    |       |    |    |     |    |    |    |      |      | ○   |         |           |
| <b>内装玻璃</b>  |  |        |    |       |    |    |     |    |    |    |      |      |     |         |           |
| 酸性玻璃系列       | Matelux  | ○      | ○  | ○     | ○  | ○  | ○   | ○  | ○  |    |      |      |     |         |           |
|              | Matelac  |        |    | ○     | ○  | ○  |     |    |    |    |      |      |     |         |           |
| 烤漆玻璃         | Lacobel  |        |    | ○     | ○  | ○  |     |    |    |    |      |      |     |         |           |
|              | Lacobel T                                      | ○      |    | ○     | ○  | ○  |     |    |    |    |      |      |     |         |           |
| 镜子系列         | Dantalux                                       |        |    | ○     | ○  | ○  |     |    |    |    |      |      |     |         |           |
|              | Mirox MNGE                                     |        |    | ○     | ○  | ○  |     |    |    |    |      | ○    |     |         |           |
| 抗菌玻璃         | AntiBacterial                                  |        |    |       |    | ○  | ○   |    |    |    |      |      |     |         |           |
| 防火玻璃         | Pyrobel  | ○      |    |       |    | ○  |     |    |    |    |      |      |     |         |           |
|              | Polished Wire                                  |        |    |       |    | ○  |     |    |    |    |      |      |     |         |           |
| 防眩玻璃         | Matobel  |        |    |       |    |    |     |    |    |    |      |      |     | ○       |           |
|              | Glamatt  |        |    |       |    |    |     |    |    |    |      |      |     | ○       |           |
| <b>其它</b>    |  |        |    |       |    |    |     |    |    |    |      |      |     |         |           |
| 光伏一体化        | Sunjoule/SunEwat                               | ○      | ○  |       |    |    |     |    |    |    |      |      |     |         |           |
| Low E        | Planibel™ G Fast                               |        |    |       |    |    |     |    |    |    | ○    | ○    |     |         |           |
|              | ISO Comfort                                    |        |    |       |    |    |     |    |    |    | ○    | ○    |     |         |           |



附录7：参考工程  
Appendix 7:  
Project List



山东省艺术学院  
6mm Planibel™ G+12A+6mm 白玻  
6mm Planibel™ G+1.14PVB+6mm 白玻+12A+8mm 白玻  
6,000M<sup>2</sup>



无锡家居设计创意园  
6mm Planibel™ G+12A+12mm 白玻 彩釉  
6mm Planibel™ G+12A+10mm 白玻 彩釉  
28,000M<sup>2</sup>



广西南宁海关大楼  
5mm Planibel™ G+9A+5mm 白玻  
3,500M<sup>2</sup>



深圳前岸艺术酒店  
6mm Planibel™ G+9A+6mm 灰玻  
17,000M<sup>2</sup>



大连民族学院  
6mm Sunergy® Clear+12A+6mm 白玻  
6,000M<sup>2</sup>



上海鹏利海景花园  
6mm Planibel™ G+9A+6mm 白玻  
6mm Sunergy® Clear+9A+6mm 白玻



上海仁恒河滨花园  
4mm Sunergy® Clear+9A+6mm 白玻  
100,000M<sup>2</sup>



中国国电成都大渡河梯级电站调度中心  
8mm Sunergy® Clear+12A+6mm 白玻  
6mm Sunergy® Clear+9A+6mm 白玻  
24,000M<sup>2</sup>



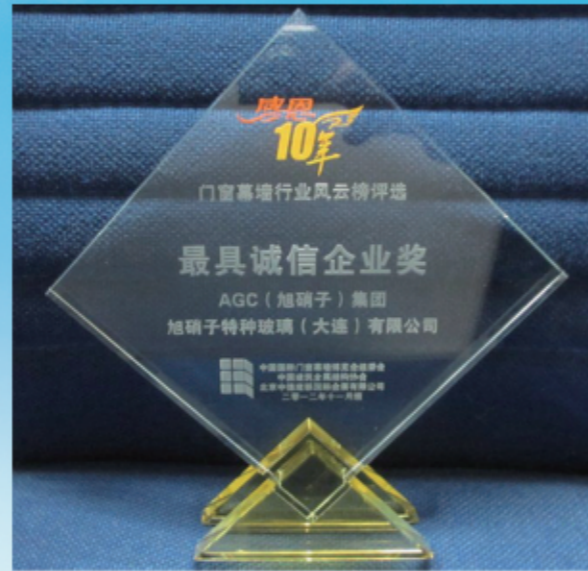
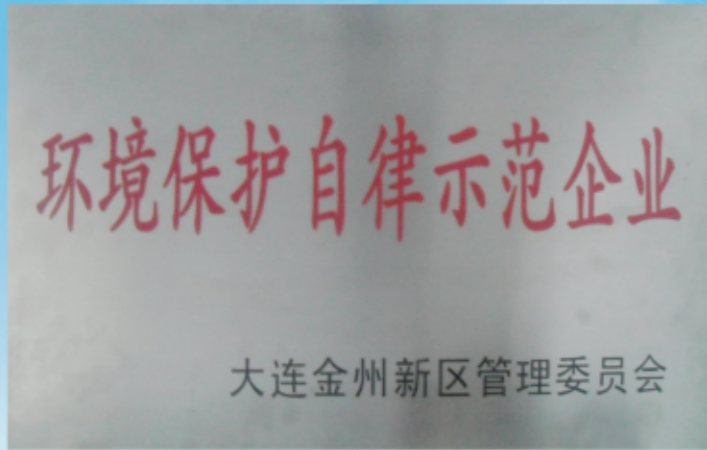
深圳健君园  
6mm Sunergy® 48单片  
8,000M<sup>2</sup>



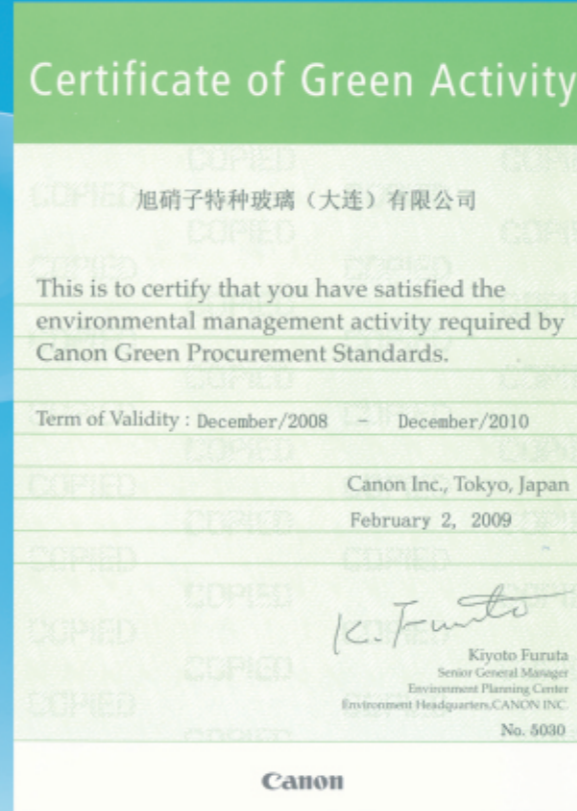
北京默沙东时代凌宇阳光国际新城  
8mm Planibel™ G+12Ar+8mm Stopsol®  
8mm Sunergy® A Clear +12Ar+8mm Planibel™ G



# 荣誉资质 Honour



2012年获得“行业最具诚信企业”奖



2009年获得日本佳能颁发的“绿色采购证书”



2004年度全国外商投资“双优”企业



2014年获得“2014年度中国十大玻璃品牌”奖