

▼ 装饰玻璃 Decorative glass

CRIDECOR® /

Chromascreen
点阵图案丝印玻璃



产品简介

Cridecor®Chromascreen点阵图案丝印玻璃是带有清晰的双重丝印黑白点状图案的建筑用装饰玻璃。

该产品的工艺难点在于使用最先进的设备实现双重丝印的图案完美匹配。

Cridecor®Chromascreen点阵图案丝印玻璃可制成：

- 钢化或半钢化平板玻璃
- 退火、钢化或半钢化曲面玻璃，
热处理方式取决于不同项目的具体要求。

在对平板玻璃的表面进行釉料处理，玻璃时必须为钢化或半钢化；但在曲面玻璃中，可以对退火曲面玻璃直接进行双重釉面处理。在玻璃弯曲过程中，在温度达600°C时进行黑白点状图案丝印。

Definition

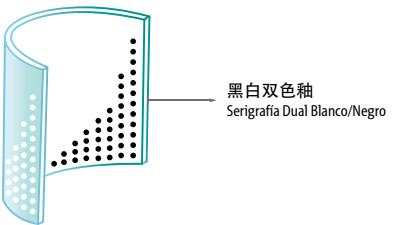
Cridecor® Chromascreen is a decorative architectural glass with a dual screen-printed dot pattern, black on white with perfect registering.

The complex part of its manufacturing method lies on achieving a perfect matching of the dual printing process which becomes feasible thanks to the use of state-of-the-art silk screening equipment.

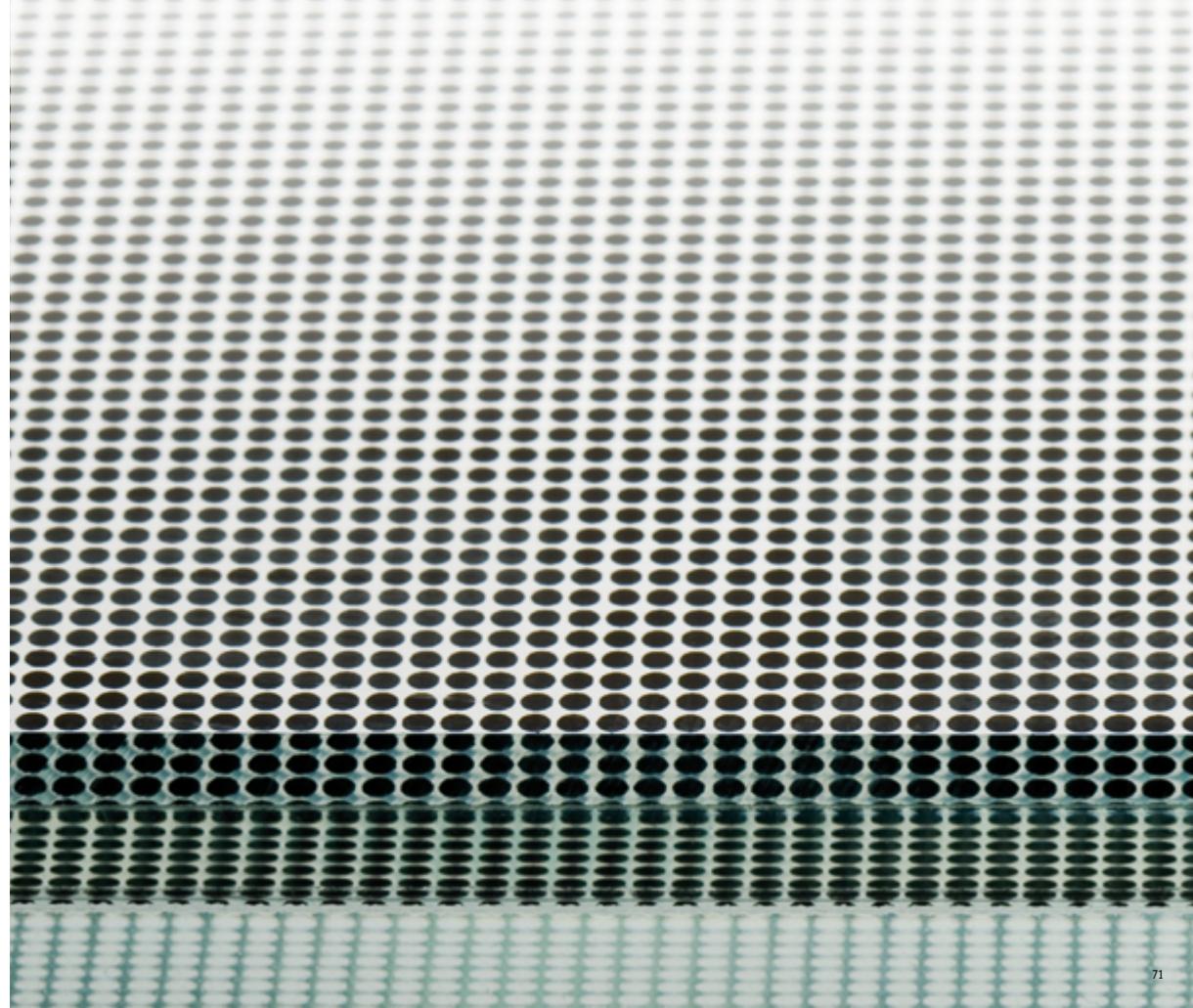
Cridecor® Chromascreen is available in the following glass types:

- Flat toughened or heat strengthened
- Curved annealed, toughened or heat strengthened. In this case, the thermal treatment will depend on the project specific requirements

In curved glass, unlike to what happens in flat glass where toughening or heat strengthening is a must to bake the ceramic frit onto the glass surface, we can have a dual frit in a curved annealed make up. The bending process we are submitting the black & white printed dots to, at around 600°C, takes care of the baking of the frit.



Chromascreen 点阵图案丝印玻璃





光学、 阳光控制和热学性能

- 图案单向可见
- 日光透射率34%
- 遮阳系数(SC): 0.43
- 太阳能得热系数(SHGC): 0.38
(使用日光控制涂层可进一步提升性能)
- U值*:
 - 夹胶玻璃: 5.7W/(m²*K); 英制单位 0.98BTU/(hr*ft²*K)
 - 中空玻璃: 2.8 W/(m²*K); 英制单位 0.48BTU/(hr*ft²*K)
 - IGU + Low-E + 氩气: 1.0 W/(m²*K);
英制单位0.17BTU/ (hr*ft²*K)

*使用公制单位时, U值定义为每平方米面积和每摄氏度温差的热能传送瓦数。将公制单位U值除以5.678即为英制单位U值。

General Optical, Solar and Thermal Properties

- One-way vision effect
- Daylight transmittance: 34%
- Shading coefficient (SC): 0.43
- Solar factor (SHGC): 0.38 (can be improved by adding a solar control coating)
- U-Value:
 - Laminated glass: 5.7 W/(m²*K); Imperial 0.98BTU/(hr*ft²*K)
 - Insulated glass: 2.8 W/(m²*K); Imperial 0.48BTU/ (hr*ft²*K)
 - IGU + Low-E + Argon: 1.0 W/(m²*K); Imperial 0.17BTU/ (hr*ft²*K)

* Metric U-Values / factors are defined as Watts per square meter per degree Celsius. To convert metric U-Values to Imperial inch-pound U-Values, divide by 5.678

韩国工业联合会(FKI)
FKI-Federation of Korean Industries
韩国首尔 2014 Seoul, Korea 2014
建筑师 Architect: Adrian Smith+Gordon Gill

Chromascreen 点阵图案丝印玻璃



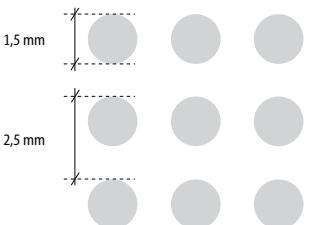


产品特点

- 常规产品为丝印黑白点阵，可考虑使用其他颜色
- 直径1.5mm；间隔1mm
- 可选择任何基材(透明浮法玻璃、超白或镀色玻璃)，超白玻璃的效果最佳
- 适用于下列曲面和平面玻璃：
- 彩釉于退火曲面玻璃的第二表面(不论凹面或凸面)。
- 彩釉于钢化或半钢化曲面玻璃的凹面
- 钢化和半钢化平面玻璃
- 夹层：1.52mmPVB及SentryGlas®夹层。
- 玻璃厚度：6mm及以上。夹胶玻璃建议两层玻璃厚度相同。
- 可制成各种形状
- 最大尺寸：6000x3000mm (欢迎垂询定制更大尺寸产品)

Characteristics

- Basic product consisting of black & white screen-printed dot matrix. Other colour combinations can be considered
- 1.5mm diameter, spaced 1mm
- Any substrate can be chosen (clear float, low iron or body-tinted glass) whereas the sharpest results are obtained using low iron glass accomplishing the purest whitish appearance when looking from the outside
- Available curved and flat as follows:
- Curved annealed with frit on the second surface of the glass, being it either convex or concave.
- Curved toughened and heat strengthened with the frit always on the concave side
- Flat toughened and heat strengthened
- Lamination: 1.52mm PVB and SentryGlas® interlayers.
- Glass thickness: minimum 6mm. In lamination, advisable for both lites to be of the same thickness
- Shapes: feasible
- Maximum dimensions: 6000x3000mm
(for larger sizes contact Cricursa)

圆点尺寸
Geometry of dotsChromascreen
点阵图案丝印玻璃Iris大厦 Edificio Iris
西班牙马德里2003 Madrid, Spain 2003
建筑师 Architect: Gabriel Allende