

### Insulated curved glass

Crislan is an insulating and soundproofing glass composed of two or more glass layers separated which form a sealed air space. The perimeter of the unit is subsequently sealed with silicone in

order to guarantee the seal of the air space. Crislan reduces the "cold wall" effect in the areas closest to the windows and prevents condensation on the glass surface.

It also provides complete impermeability which prevents water vapour from entering the air space (humidity penetration index  $I < 0.01$ ).

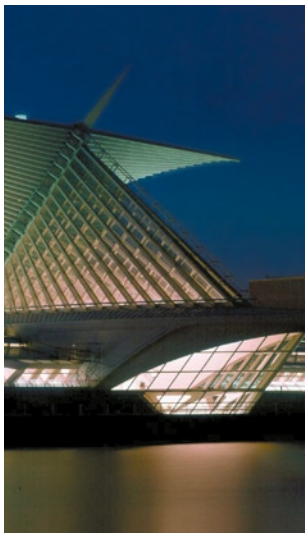
### Applications

Crislan insulating glass has many architectural applications, including:

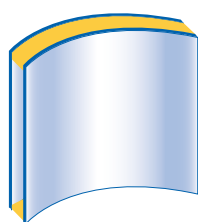
- curtain walls
- structural glass façades
- windows
- clerestories
- skylights, etc.

### Manufacturing possibilities

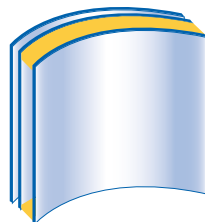
Crislan can be manufactured with different compositions depending on the thermal and acoustical insulation and safety requirements of the project. Multiple air spaces can also be incorporated into the final product.



Milwaukee Art Museum  
arq. Santiago Calatrava



Double glazing



Double glazing with laminate on the outside



Double glazing with laminate on the inside



Double glazing with laminate on both sides

### Thermal properties

#### Air spacer thickness

8 mm. (1/3")  
10 mm. (2/5")  
12 mm. (1/2")  
15 mm. (3/5")

#### Heat transfer coefficient K (Kcal./Hm<sup>2</sup>°C)

2 colorless panes	1 colorless pane+1 low em.
3,2	2,2
3,1	2
3	1,8
2,9	1,5

### Propiedades acústicas

Noise reduction index: traffic noise

#### Composition

4/12/4  
5/12/5  
6/12/6  
8/12/6  
10/12/10

#### Decibels

28  
29  
30  
32  
35

### Technical data

#### Air space thickness

4, 6, 8, 10, 12, 16, 20 mm. (1/6, 1/4, 1/3, 2/5, 1/2, 2/3, 4/5")

#### Maximum dimensions

5800 x 2400 mm. (228 x 94")

#### Maximum height of rise

1000 mm. (39")

#### Minimum dimensions

400 x 400 mm. (15 x 15")

#### Types of glass

Tempered, float, laminated, tinted, pyrolytic reflective, pyrolytic low emissivity

#### Colours available

Grey, Bronze, Green, Blue, Pink

See the Curved Glass Manual for information about tolerance, minimum radius and most common curves.