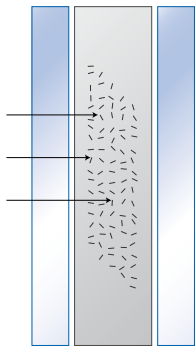
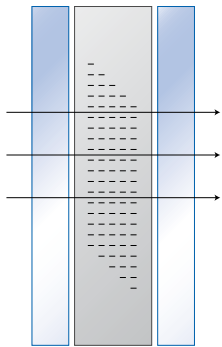


## Laminated glass with adjustable light transmission



Off



On

Cri-Regulite is a smart glass which allows you to control its light transmission.

You can instantly control how clear or dark glass is, adjusting the light transmission manually or automatically. It is

based on the Suspended Particle technology.

Microscopic light absorbing particles are dispersed within a thin film laminated inside the glass, making it dark. When voltage is applied these particles align and

allow light to pass through, resulting in a wide range of controllable transparencies.

### Advantages

With a simple control knob you can select the desired transparency, or just connect it to a foto-cell to automatically control it.

The time response is instant. In less than half a second it varies from a light transmission of 12% to 57%.

There are different types, according to the range of darkness. The darkest one goes down to a minimum 0.5% Light Transmission.

The clearest product reaches a maximum light transmission of 57%. (a regular laminated glass, 87%).

The product operates off of ordinary AC voltage or battery power. It requires very little power: less than 5 watts per square meter. It can be bent.

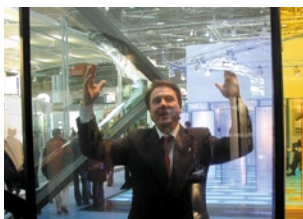
### Performance data

#### Laminated

|         |     | Visible light |             |             | Solar energy |             |             | Thermic properties |              |  |  |                  |
|---------|-----|---------------|-------------|-------------|--------------|-------------|-------------|--------------------|--------------|--|--|------------------|
|         |     | Trans.%       | Refl.% ext. | Refl.% int. | Trans.%      | Refl.% ext. | Refl.% int. | Shading Coeff.     | Solar Factor | U-Value Kcal/m <sup>2</sup> h°C Summer | U-Value Kcal/m <sup>2</sup> h°C Winter | Relat. Heat Gain |
| A       | OFF | 0,5           | 7           | 7           | 19           | 7           | 7           | 0,47               | 41           | 5,5                                    | 5,3                                    | 295              |
|         | ON  | 22            | 7           | 7           | 40           | 7           | 7           | 0,64               | 56           | 5,4                                    | 5,3                                    | 387              |
| B       | OFF | 2             | 7           | 7           | 21           | 7           | 7           | 0,49               | 43           | 5,5                                    | 5,3                                    | 307              |
|         | ON  | 35            | 7           | 7           | 47           | 7           | 7           | 0,69               | 60           | 5,3                                    | 5,3                                    | 417              |
| C       | OFF | 4             | 7           | 7           | 25           | 7           | 7           | 0,51               | 44           | 5,5                                    | 5,3                                    | 321              |
|         | ON  | 43            | 8           | 8           | 52           | 7           | 7           | 0,73               | 64           | 5,3                                    | 5,3                                    | 438              |
| D       | OFF | 12            | 7           | 7           | 31           | 7           | 7           | 0,57               | 50           | 5,5                                    | 5,3                                    | 350              |
|         | ON  | 57            | 9           | 9           | 60           | 8           | 8           | 0,8                | 70           | 5,2                                    | 5,3                                    | 473              |
| FLOAT 8 |     | 87            |             | 8           | 75           |             | 7           | 0,93               | 81           |  | 5,2                                    | 542              |



Off



On

#### Double glazing Cri-Regulite+12 A+5LE

|             |     | Visible light |             |             | Solar energy |             |             | Thermic properties |              |  |  |                  |
|-------------|-----|---------------|-------------|-------------|--------------|-------------|-------------|--------------------|--------------|--|--|------------------|
|             |     | Trans.%       | Refl.% ext. | Refl.% int. | Trans.%      | Refl.% ext. | Refl.% int. | Shading Coeff.     | Solar Factor | U-Value Kcal/m <sup>2</sup> h°C Summer | U-Value Kcal/m <sup>2</sup> h°C Winter | Relat. Heat Gain |
| A           | OFF | 0,4           | 7,0         | 14,0        | 11,0         | 8,0         | 20,0        | 0,24               | 21           | 1,7                                    | 1,5                                    | 144              |
|             | ON  | 17            | 7,0         | 14,0        | 23,0         | 11,0        | 20,0        | 0,4                | 35           | 1,7                                    | 1,5                                    | 232              |
| B           | OFF | 1,2           | 6,7         | 14,1        | 12,3         | 8,0         | 19,6        | 0,26               | 23           | 1,7                                    | 1,5                                    | 154              |
|             | ON  | 27,6          | 8,0         | 14,4        | 26,9         | 11,9        | 19,6        | 0,45               | 39           | 1,7                                    | 1,5                                    | 260              |
| C           | OFF | 2,9           | 6,8         | 14,2        | 14,2         | 8,3         | 19,6        | 0,28               | 24           | 1,7                                    | 1,5                                    | 167              |
|             | ON  | 33,3          | 8,9         | 14,7        | 29,8         | 13,2        | 19,7        | 0,49               | 43           | 1,7                                    | 1,5                                    | 280              |
| D           | OFF | 9,1           | 7,0         | 14,3        | 18,0         | 9,1         | 19,6        | 0,34               | 30           | 1,7                                    | 1,5                                    | 195              |
|             | ON  | 44,5          | 10,8        | 15,4        | 34,4         | 15,7        | 19,9        | 0,55               | 48           | 1,7                                    | 1,5                                    | 313              |
| fl6+12A+fl6 |     | 78            |             | 14,0        | 63,0         |             | 12,0        | 0,83               | 72           |  | 2,4                                    | 472              |

### Technical properties

#### Maximum Size

1.200x2.800 mm

#### Power Supply

80-220VAC, 50-60Hz

#### Power Consumption

<5 Watt/m<sup>2</sup>

#### Switching Durability

>1,000,000 times

#### Workable Temperature

-30 to +90°C

#### Light Transmission

Min <1% Max 57%

#### Response

rise: <0.5 seconds

Decay: <1 second

#### Bent Glass

Max. Height: 2,800 mm

Max. Girth: 1,200 mm

Min. Radius: 300 mm

#### Maximum size

1.200x2.800 mm



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