

# ELEGANCE

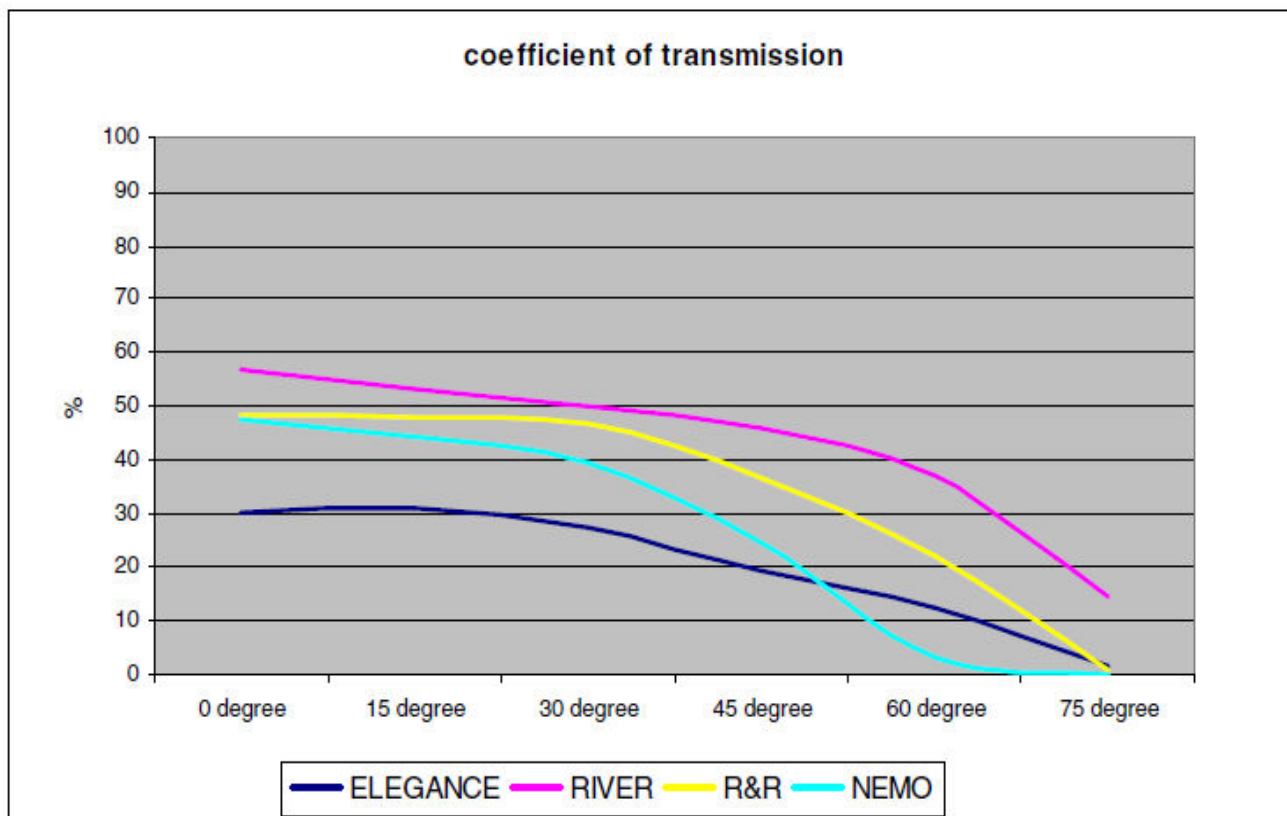


Certified Product

## 72% REDUCTION OF TRANSMITTED RADIATIONS

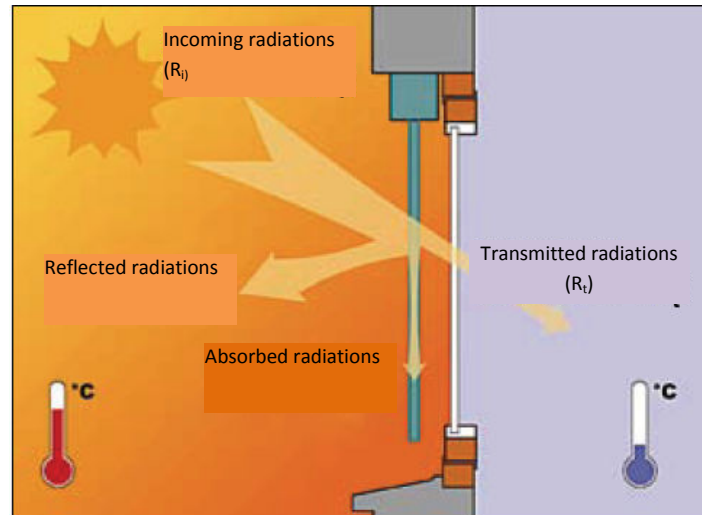
As solar shading, metal mesh ELEGANCE can:

- increase the thermal resistance of the frames;
- adjust the luminous flux improving natural light and reducing the use of artificial daylight lighting;
- reduce the Solar energy storage in the baffle.



The coefficient of transmission in the visible bandwidth from 380nm to 880nm was calculated.  
The transmission was measured at 6 different angles of light incidence, from 0° to 75°

Introducing a sun screen, the energetic balance follows the scheme below.



$G_{tot}$  indicates the ratio between coming solar radiation and the radiation reflected by the mesh:

$$G_{tot} = \frac{R_t}{R_i}$$

To evaluate TTM Rossi's mesh performances, it was used a single layer glass (which had  $g_v = 0,85$ ).

$G_{tot}$  value for Elegance is: **0,26**

Estimating in percent values the reduction of radiations transmitted reflecting and absorbing of different meshes, is obtained: **72%**

ALL THE EVALUATIONS AND CALCULATIONS ABOVE REFER TO NORMS:

- UNI EN 14501
- UNI EN 13363-01
- UNI EN 13363-02
- UNI EN 13561
- UNI EN 13659
- UNI TS 11300