

TENODIA

1/2010

TECHNOLOGIES FOR SUN PROTECTION | INTERNATIONAL



Associazione Italiana
Tende, Edilizia e Solari
e Offerte per il Benessere

rain cover
adjustable sunshade:
sun and rain protection.

shadow cut to size

MADE IN ITALY



Frigerio
tende da sole

Screens with a Personality of Their Own

Quality, good looks and resistance are the main features of the sun screening system produced by Resstende, an Italian company that specializes in the production of technical roller blinds. The story begins in 1975 and has continued until the present day with a commitment to research and technology that today finds its expression via a vast number of products exported to over 30 countries around the world.

Thanks to the work of its highly qualified and expert staff Resstende offers solutions designed to individual specifications and develops technical blinds for a host of applications.

"Outdoor" - a traditional strength of Resstende
Helvetia, the design project featuring over 200 indoor blinds and just as many outdoor blinds is a fine example of functional sun screening system that fits in perfectly with the façade. The designer had more than one objective in mind when he set out on this project: reducing thermal transmission in order to increase energy savings, light transmission calculated based on visible light transmittance, structural







designs that have low impact on the architecture of the building and last but not least, considering the width of the surface in question (9m² for each blind) an increase in wind strength of up to a maximum of 50 kilometers per hour. Inside the structure, Resstende chose to install a chain-spring motion system combined with M-screen filter fabric to further control the light transmission.

The motorised outdoor blind design was based on the twin priorities of attractive visual impact and functionality as requested by the customer. As a result Resstende designed and made two different guide profiles so that the bottom weight, the only component guiding the blind, could be adapted to fit both types of design. Another important element in determining the correct levels of solar screening and illumination is the type of fabric used. Soltis 86, a hard-wearing, PVC coated, polyester material that is water repellent and breathing was chosen for the Helvetia project. Additional reinforcing triangles of the same material were welded in, in order to increase the resistance to tearing on the lower part of the fabric attached to the bottom weight, an area that is subjected to the severest wind stress. Another feature, no less important from a technical point of view, but also interesting aesthetically-speaking, is the material's golden hue that not only adds a touch of luxury but gives the building its own, very individual personality.

Sources

Location: Helvetia Compagnia Svizzera
d'Assicurazioni SA
Via Cassinis, 21 - 20139 Milano
Pictures: Luca Casonato