The Reflex-Rol Challenge

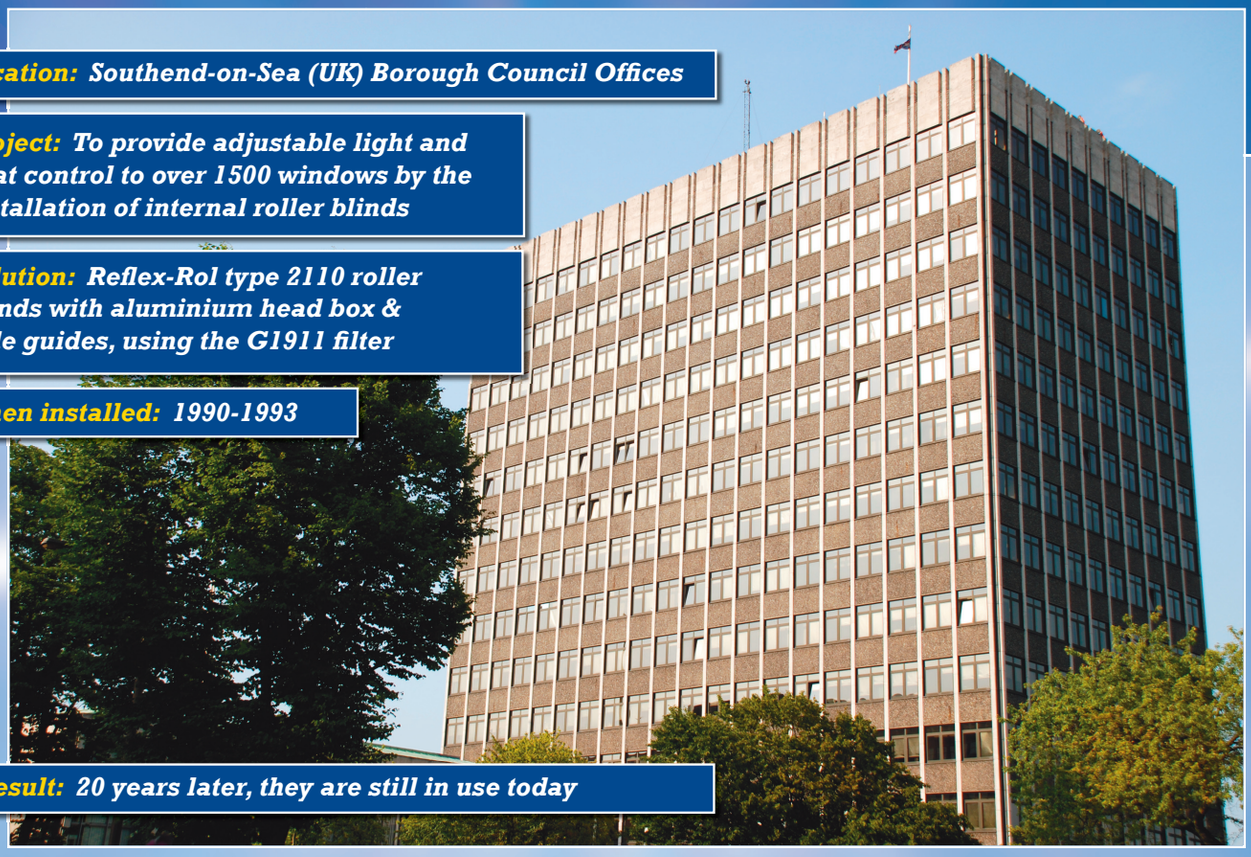
We challenge you to produce evidence of a more sustainable solar shading project - ever!

Location: *Southend-on-Sea (UK) Borough Council Offices*

Project: *To provide adjustable light and heat control to over 1500 windows by the installation of internal roller blinds*

Solution: *Reflex-Rol type 2110 roller blinds with aluminium head box & side guides, using the G1911 filter*

When installed: *1990-1993*



Result: *20 years later, they are still in use today*

How do we know our blinds are still being used? Because we've just been asked to go back and clean them!

Now 20 years is good in respect of the products longevity/life cycle costs, but it doesn't begin to tell the story of how good the blinds are at controlling heat and light.

We have been saying for nearly 30 years how the Reflex-Rol Solar Shading System is the scientific answer to Solar Shading **– now we can prove it.**

For detailed performance analysis of the G1911 filter, its Solar Reflectance (R_S), Light Transmission (T_V) values and how it would work to reduce heat build-up and remove glare in your installation, see overleaf.

REFLEX-ROL BLINDS:
CONTROLLING SOLAR GLARE, REFLECTION AND HEAT

PERFORMANCE

The durabilty of a Reflex-Rol Blind System is established, but how does its performance measure up?

Heat Control

The G1911 filter has a solar reflectance (R_S) of 74%, which will reduce the heat gain through the glass by over 50% (g Value of double clear sealed unit of 0.76 improved to a g_{tot} value of 0.31%, to EN 13363-1).

Heat loss reduction is improved by nearly 50% (U value of same glass improved from 2.9 to 1.5 by the night time deployment of the G1911 filter, with side guides and bottom draught strip, to EN 13363-2).

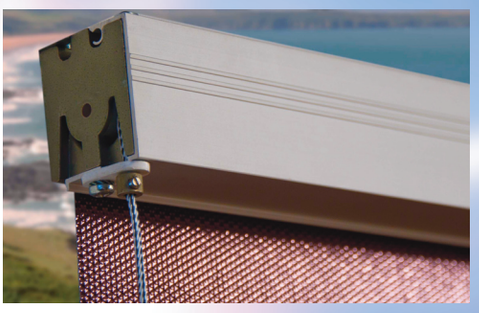
Light Control

With a T_V (light transmission level) of only 2%, excesses of natural daylight are practically removed, leaving comfortable 'glare-free' light levels. A view through to the outside of the window is nevertheless maintained – we would be happy to arrange a demonstration to show the full extent of this.

Discrete Appearance

Not only is the G1911 market leading in respect of light transmission and solar reflectance, it is also very thin. This enables it to be fitted into a very small headbox – a 2,000 mm drop is accommodated within a 40 mm x 50 mm type 2000 headbox, whilst a 3,500+ mm drop uses the 45mm x 60 mm type 3000).

Small enough to be fitted on many opening windows, powder coated to match the surround, the blind practically disappears when not in use.



This picture shows one of the blinds from the Council Offices in Southend, shown on the front of this leaflet

The G1911 is only one of several specialist filters in the Reflex-Rol range of metalised high performance Solar Shading Systems. We also have other systems suitable for windows over five metres wide, or for an eight metre drop without a visible joint, another system for roof lights, yet another for shaped inclined windows... the list goes on – with nearly 30 years of experience we've developed systems for a wide variety of applications.

How can we help with your next shading project?
Give us a call on

01989 750704

Reflex-Rol is a division of De Leeuw Ltd

Reflex-Rol (UK)
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