

Film Roller Blinds

Glare protection on VDU screens



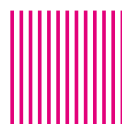
THE PROBLEM

Large glazed window areas in offices and administration buildings create lighted space and pleasant working atmosphere. Additionally, windows provide an important point of contact with the outside world and thus contribute substantially to motivation in the work place. However, they also contribute problems, such as large build-up of solar heat and glare on the VDU screen. Today, having a monitor on the desk, next to the window, is part of the standard office layout. Yet it can never be optimally placed. If the user sits with his or her back to the window, the window area reflects into the screen. Should he or she sit facing the window, their eyes would be put under exceptional strain from the large contrast between the daylight and the screen. If the screen is placed parallel to the window, the problems are reduced, but you have to deal with both of the above problems.

THE SOLUTION

MULTIFILM roller and slatted blinds eliminate the glare where it originates - at the window - and permit glare-free work at the VDU screen. At the same time they provide good protection against the sun. By using MULTIFILM glare protection equipment you are able to fulfill the requirements of VDU-Based Workstation Regulations relating to protection against disturbing glare, reflections and mirroring. The special reflectors reduce the brightness to the required maximum level of light transmission of 2-3 %. The key advantages are:

- Optimal glare protection
- Additional protections against solar heat
- The views to the outside remain unchanged
- Freedom for architectural design
- Unobtrusive fitting
- Various possible settings for the roller blinds
- Diffused radiation of the residual light



MULTIFILM®

Perfection for windows

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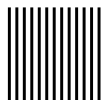
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MULTIFILM films totally meet these requirements. The films attenuate 97-98 % of the impinging light. Additionally, through the internally coloured special coating of the 30SiAt, 20SiBc and 40SiGy, light waves in the range from 400 to 530 nm, which are experienced as a glare, are attenuated again. In spite of a feeling of higher light levels, the glare is significantly reduced. Through the variety of possible settings on MULTIFILM roller blinds, users can adjust the incoming daylight to meet their own comfort requirements.

The remaining 2-3 % of the light will be emitted as diffused radiation and ensures an even distribution of light within the room. Consequently, the luminous intensities of the VDU screens when compared with those of the working environment no longer constitute any health-damaging differences in brightness. In contrast to that, on unprotected window areas a luminance of up to 10,000 Lux can be expected.

MULTIFILM films reflect up to 80 % of the impinging solar radiation. Thus, a rise in the room temperature can be effectively avoided, leading to costs savings in the running of air conditioning system. "The screen must be free of reflections and disturbing glare."



MULTIFILM®

Perfection for windows
are available from:

THE LEGAL BACKGROUND –

EXTRACTS FROM THE GERMAN VDU-BASED WORKSTATION REGULATIONS OF 01/12/1996 (BILDSCHARB V)

"VDU screens shall be arranged so that bright or illuminated areas are prevented, as far as possible, from creating any glare or reflections on the screen. The windows must be fitted with a suitable glare protection device that can reduce the intensity of the daylight on the VDU screen.

"The lighting must be suitable for the work being carried out and adjusted to the vision of the employees. Thus an adequate contrast shall be guaranteed between the screen and the working environment. Through the positioning of the VDU screen and also the layout and arrangement of the lighting, the effects of glare, reflections and mirroring on the screen or any other work equipment shall be avoided."

"Work equipment must not lead to an unhealthy increase in temperature."

MULTIFILM

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