



Sun protection and sound absorption in combination

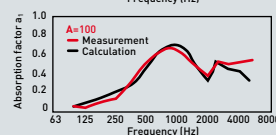
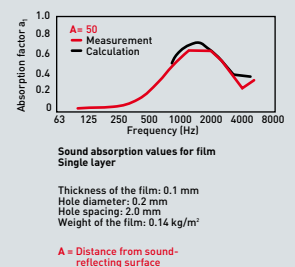
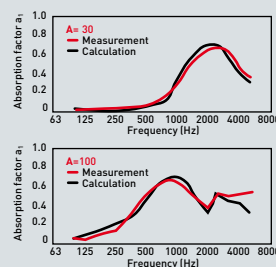


The film OPALMICROSORBER® offers a combination of the functions sun protection and sound absorption. These films, to be used in OPALVARIO® sun protection systems, therefore have a positive influence on the room acoustics by decreasing the reflexion sounds and the reverberation periods, apart from their glare protection for onscreen workplaces according to the regulation on onscreen workplaces.

The high efficiency of OPALMICROSORBER® in room acoustics rests on its microperforation. In this patented process the films are drilled with holes of 0,2 mm diameter in hole distances of 2 mm. As soon as sound waves hit the film a physical reaction occurs: through the friction generated at the hole edges the sound energy is transformed into heat. Thus, the reverberation periods are markedly reduced and the sound level is lowered.

Owing to its excellent glare protection properties while simultaneously keeping the intervisibility OPALFILM® shade films have been successfully applied as glare protection for onscreen workplaces within an object for many years. The most modern embossing techniques amount to an optimal balance of transparency and hanging characteristics of the film.

A combination of these features generates a multi-functional product to be used in objects.



Film embossings



Diamant embossing

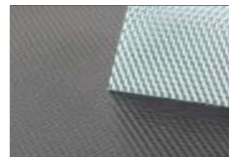


Diamant Stabila embossing

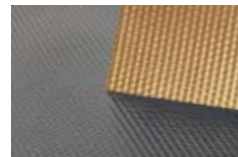
Film variants

- periphery either metallized or tinted
- extensive colour palette
- outside view is maintained
- alternatively dimming hangings available as well

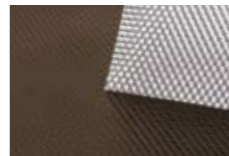
Film colours



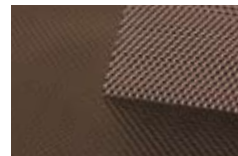
silver/grey



grey/gold



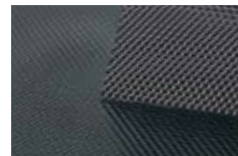
silver/bronze



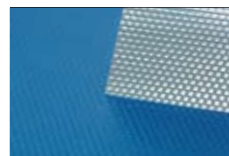
bronze/bronze



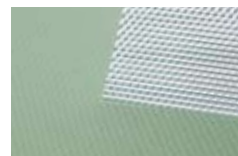
silver/black



grey/grey



silver/blue



silver/green



silver/silver



silver/white