

semaSORB[®] PROBIRD-DK400- Design

Bird Collision Deterrence



Product Description



Transparent film with acrylate-based adhesive layer (self-adhesive). Film contains irregular nanostructure. An integrated UV400 filter retains the entire UV radiation. The film contains colour protection and counteracts yellowing.

When using the film on single, double and plastic glazing, it should preferably be applied to the inside. Based on the nanostructure into the film, the bird recognises the glass surface as an obstacle and turns away from it during the approach. A collision is virtually prevented. A positive effect is the integrated UV400 filter that retains the entire UV radiation, thus counteracting additional heat input. The film contains colour protection and counteracts yellowing.

+ splinter protection on the side of the film in the event of glass breakage.

Specifications, clear

Thickness (µm)	80 ± 5
Density (g/cm³)	1.37 - 1.40
Surface weight (g/m²)	85
Tensile strength (N/mm²)	190
Elongation of break (%)	145
Max. shrinkage (%)	2
Coefficient of friction (%)	2 (PET/PET, kin/stat)
Max. clouding (%)	-
Max. water vapour permeability (d•g/m²)	7
Surface tension (dyn/cm)	38-42
Transmission (%)	
at 380 nm	0
at 400 nm	≤ 5.0
within the visible range	≥ 85.0
UV shielding (%)	
between 200-400 nm	≥ 99.5
Transmission edge at T=50% (nm)	415±5

Processing Instructions

semaSORB®**PROBIRD**-DK400-**Design** films are installed wet. Please observe our application instructions. The foils are firmly adhering after approx. 8 days at 20°C.

30 days after their application, semaSORB®PROBIRD DK400 Xtal films can be cleaned using common window cleaners. Please only use soft sponges, cloths or felt cloths. Please observe our care instructions.

Never clean the surfaces dry.

The proper use and application of semaSORB®**PROBIRD**-DK400-**Design** films has not resulted in any adverse effects.

Our instructions are based on our current knowledge and experience. Due to the wide range of possible influences during the application and use of our products, the user is not released from independent tests regarding the product's suitability for the intended purpose. Applicable laws and provisions as well as possible property rights must be observed.



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