

semaSORB[®] PROBIRD-DK400 - XNL

Bird Collision Deterrence



Product Description



A transparent window film with an acrylate-based adhesive layer (self-adhesive). The protective film has a wide and asymmetrically arranged pattern with optically reflective properties. Because of the structures, the bird takes the glass surface as an barrier via its optical sensors and turns away from the glass facade during the approach. Impact is virtually prevented. Single glazing, insulating glazing and plastic glazing can be used on the inside and outside, preferably on the outside. An integrated UV400 blocker retains all UV radiation and counteracts additional summer heat input. The film protects colours 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	≤ 8.0
within the visible range	≥ 85.0
UV shielding (%)	
between 200-400 nm	≥ 99.5
Transmission edge at T=50% (nm)	420±5

Processing Instructions



semaSORB®**PROBIRD**-DK400-**XNL** films are installed wet. Please observe our application instructions. The films are firmly adhering after approx. 8 days at 20°C. By mounting the film on the glass pane, microwave droplets can be left behind. This opacity disappears within summer months at a maximum of 3 months.

30 days after their application, semaSORB®**PROBIRD**-DK400-**XNL** 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 **XNL** 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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