

# semaSORB<sup>®</sup> PROBIRD-DK400 - Xtal

## Bird Collision Deterrence



### Product Description



Transparent protective film with acrylate-based adhesive layer (self-adhesive). Plastic film with transparent and scattered crystal structures determining the modern design. Based on the irregular structure of crystals 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. When using the film on single, double and plastic glazing, it should preferably be applied to inside. It is be applied also outside. A positive side 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

<b>Thickness (µm)</b>	80 ± 5
<b>Density (g/cm<sup>3</sup>)</b>	1.37 - 1.40
<b>Surface weight (g/m<sup>2</sup>)</b>	85
<b>Tensile strength (N/mm<sup>2</sup>)</b>	190
<b>Elongation of break (%)</b>	145
<b>Max. shrinkage (%)</b>	2
<b>Coefficient of friction (%)</b>	2 (PET/PET, kin/stat)
<b>Max. clouding (%)</b>	-
<b>Max. water vapour permeability (d•g/m<sup>2</sup>)</b>	7
<b>Surface tension (dyn/cm)</b>	38-42
<b>Transmission (%)</b>	
at 380 nm	0
at 400 nm	≤ 8.0
within the visible range	≥ 85.0
<b>UV shielding (%)</b>	
between 200-400 nm	≥ 99.5
<b>Transmission edge at T=50% (nm)</b>	420±5

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## Processing Instructions

semaSORB®**PROBIRD**-DK400-**Xtal** 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-**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 **Xtal** 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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