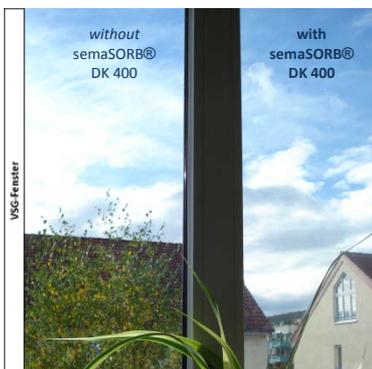


# semaSORB<sup>®</sup> UV- protection Film DK400

UV protection with UV400 band- pass filter

## Product Description



Clear and transparent UV400 protective film with acrylate-based adhesive layer (self-adhesive). Can be applied to single glazing, double glazing and plastic glazing. An integrated UV400 filter retains the entire UV radiation and delays the heat input.

UV radiation ( $\leq 400\text{nm}$ ) is retained almost completely and does not penetrate the building.

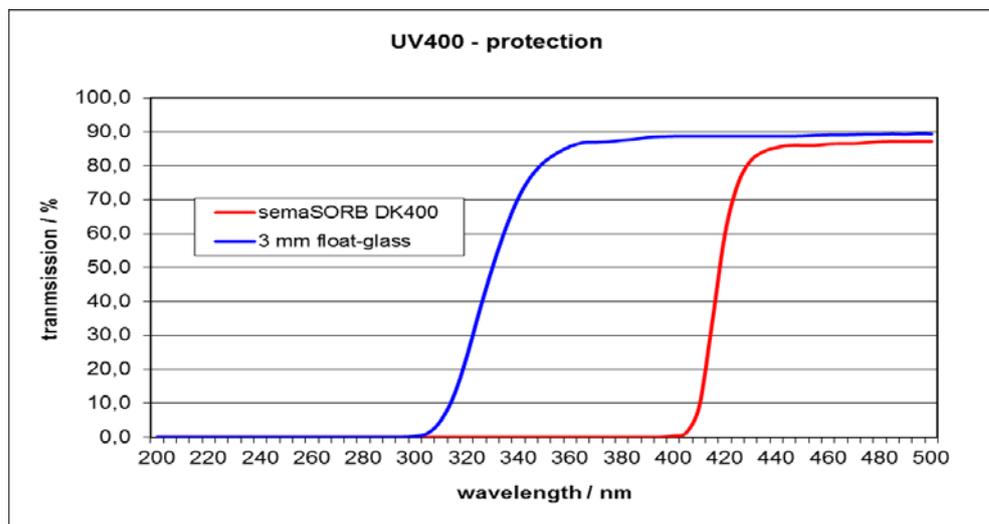
Prevents yellowing of plastic surfaces & fading of furniture, carpets, wallpaper, certificates, photos and art objects to name but a few.

- + splinter protection
- + stone throw on window - protection on the side of the film in the event of glass breakage.

## Specifications, clear

<b>Thickness (<math>\mu\text{m}</math>)</b>	120 $\pm$ 5
<b>Density (<math>\text{g}/\text{cm}^3</math>)</b>	1.39 - 1.40
<b>Surface weight (<math>\text{g}/\text{m}^2</math>)</b>	85
<b>Break resistance (<math>\text{N}/\text{mm}^2</math>)</b>	190
<b>Expansion at break (%)</b>	145
<b>Max. shrinkage (%)</b>	1
<b>Coefficient of friction (%)</b>	2 (PET/PET, kin/stat)
<b>Max. clouding (%)</b>	0.5
<b>Max. water vapour permeability (<math>\text{d-g}/\text{m}^2</math>)</b>	7
<b>Surface tension (<math>\text{dyn}/\text{cm}</math>)</b>	38-42
<b>Transmission (%)</b>	
at 380 nm	0
at 400 nm	$\leq 5.0$
within the visible range	$\geq 85.0$
<b>UV shielding (%)</b>	
between 200-400 nm	$\geq 99.5$
<b>Transmission edge at T=50% (nm)</b>	415 $\pm$ 5

## Spectrum



## Processing Instructions

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

Edge sealing of **semaSORB® DK400** films is only necessary if the films are permanently exposed to condensation, standing water or snow.

30 days after their application, **semaSORB®DK400** 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®DK400** 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.

