

Product Description



UVA-protection film semaDK® 410N

neutral-colors, transparent & self-adhesive with UVA protection up to 410nm

Product Description



Neutral-colors, transparent UVA – protection film that blocks curved UVA radiation up to 410 nm. In addition, the film provides moderate protection in the visible light spectrum, such as for sensitive wood surfaces, dyed textiles, dyes, and e-paper displays as an example.

The film **semaDK® 410N** has a backing layer made of an acrylate adhesive. The films are applied using a wet installation method. They can be applied to the interior of single-pane, reflective tinted single pane, gas-filled double pane - Low E, insulated.

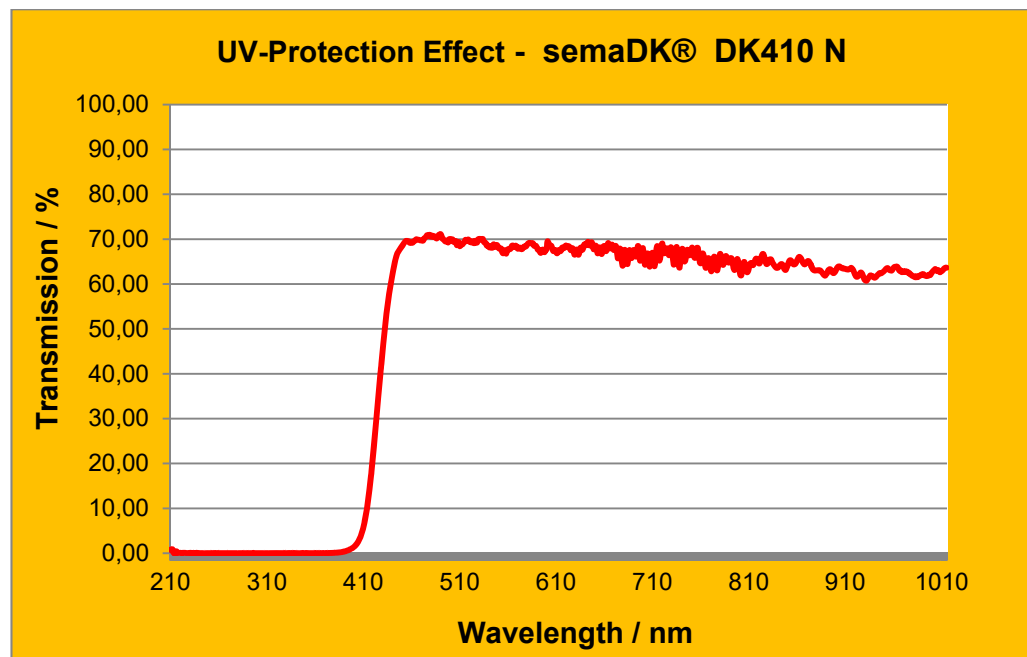
The film protects sensitive surfaces from short-wave UVA radiation and prevents rapid aging by providing protection against fading. The technical information listed here consists of average values that are not intended for specification purposes. Unless otherwise noted, all tests are conducted at room temperature.

+ Delays yellowing and fading of sensitive surfaces

Specification, clear

Film width (mm)	1520 ± 1
Adhesive width (mm)	1520 ± 1
Film thickness with adhesive (µm)	50 ± 5
Dense (g/cm³)	1.15 - 1.20
Weight per unit area (g/m²)	50
Break resistance (N/mm²)	190
Maximum opacity	0.5
Reflection Of External Visible Light	10
Transmission, measured against air (%)	
at 390 nm	0.4 ± 0.3
at 400 nm	1.7 ± 0.3
at 410 nm	6.0 ± 0.3
In the visual range	≥ 70.0 ± 0.5
UV-protection (%)	≥ 99.0
Transmission at T=50% (nm)	430 ± 0.5

Spectrum



Processing instructions

The UVA-film **semaDK® DK410N** is installed while wet. Please follow our installation instructions. After 8–10 days at approximately 20°C, the films will adhere firmly. On plastic surfaces, first test for compatibility in an inconspicuous area for approximately 4 weeks.

Sealing the edges of the film on the glass is not necessary for vertically installed interior applications. For horizontal applications and interior use, where the films are exposed to constant condensation or standing water, edge sealing is necessary.

The film on the glass can be cleaned with standard window cleaners 30 days after installation. Please use only soft sponges, cloths, or felt wipers. Please follow our care instructions.

Always clean the film on the glass with a damp cloth.

When the UVA film **semaDK® DK410N** was used as intended and properly applied to the glass, no adverse effects occurred.

The information provided is based on our current knowledge and experience. Due to the wide range of factors that may influence the processing and use of our products, this information does not relieve the user of the responsibility to independently verify the suitability of our products for their intended use. Applicable laws and regulations, as well as any intellectual property rights, must be observed.

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