

Sun-protective film semaDK® Lux NIR990

Transparent & Self-adhesive with NIR-protection up to 1010nm - outside

Product description



Transparent, lightly tinted sun-protective film with NIR and glare protection for exterior window installation.

The self-adhesive window film **semaDK® Lux NIR990** reduces intense sunlight across the entire spectral range, with an additional reduction in energy in the short, near-infrared range.

The film provides effective protection from the sun and glare in the summer. And in the winter, it allows enough light into the rooms to ensure a comfortable indoor climate.

When viewed through the window, the sun-protective film appears to be a neutral, light blue-gray color. From the outside, the film looks neutral. The semaDK® Lux NIR990 film features an acrylate-based adhesive layer on the back. The films are installed using the wet application method.

Apply to the outside of single-pane or insulated glass units.

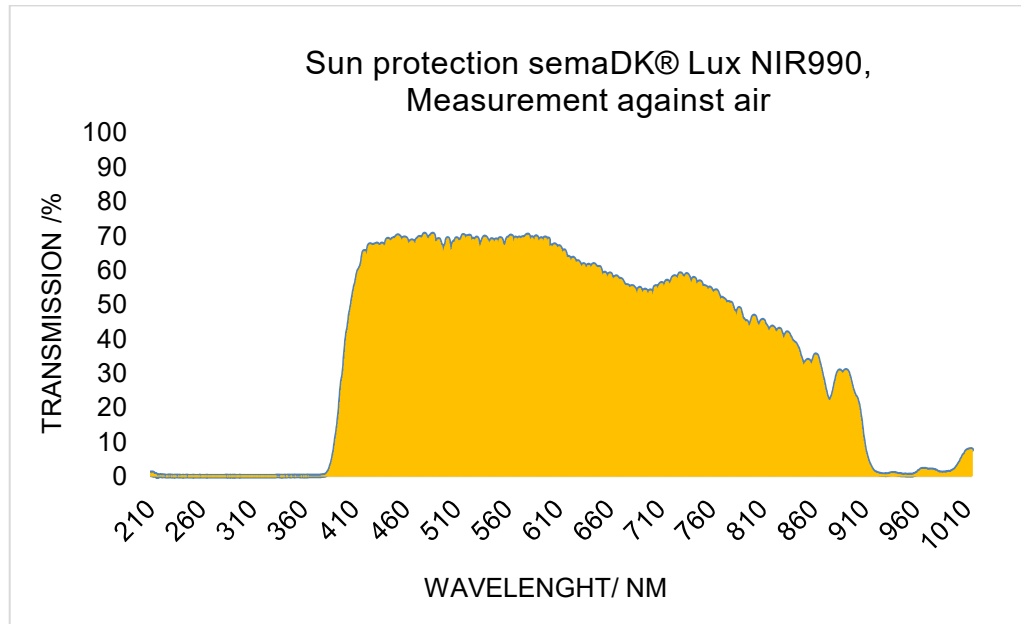
+ Glass shard retention feature on the film side in the event of glass breakage

Spezifikation, clear

Film width (mm)	1520
Film Thickness (µm)	75
Transmission * (%)	
Visual Range * (%), 380nm - 780nm	65
UV-protection* (%), 200nm - 385nm	99
Near-infrared range * (%), 780nm - 1010nm	26 ± 5
Wasted Solar Energy (%)	67
Visible Reflection (%), inside, Insulated glass	13
Visible Reflection (%), outside, Insulated glass	13
Shade	Light blue gray
Exterior view	Neutral

* Single film

Spectrum



Processing Instructions

The semaDK® Lux NIR990 sun protection film is installed using the wet application method. Please follow our installation instructions. After approximately 8 days at approximately 20°C, the film will be firmly adhered. On plastic surfaces, first test for compatibility in an inconspicuous area for approximately 4 weeks.

Edge sealing is necessary for the semaDK Lux® NIR990 self-adhesive film only if the film is exposed to prolonged exposure to condensation, standing water, or snow.

The semaDK® Lux NIR990 window tint can be cleaned with conventional window cleaners 30 days after installation. Please use only soft sponges, cloths, or felt wipers. Please follow our care instructions.

Always clean the film surface using a wet method.

When the sun control film is used as intended and installed properly, no adverse effects have 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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