



Every one knows, without sun there will be no life on our planet. But with the sun, high-energy rays with wavelengths of up to 410 nm pass window glass and enter rooms.

Exquisite objects such as furniture, works of art and exhibits absorb this radiation and undergo gradual degradation and/or destruction. Once initialized, those processes are unstoppable.

The new laminated glass technology K410 makes it possible to produce large-area glass elements that completely absorb shortwave blue radiation up to 410 nm.

This results are thermal, optical and building physics advantages, which are used in thin glass technology, in museums, historic buildings, in galleries, in office buildings with large glass facades but also in winter gardens.

The laminated glasses are manufactured in Germany and are available in several versions depending on the application.

The most important advantages at a glance

Summer thermal insulation

Especially in the summer months with high solar activity buildings with large glass surfaces heat up more strongly. Modern glass facades do have an IR coating that retains the heat radiation of the sun. But damaging and heating by short-wave radiation up to 410 nm is not retained. It passes through the glass facade and penetrates everything in its path. Energy is converted into heat, which in turn is released into the environment. Therefore modern glass architecture equipped with IR layer heat up. The laminated glass technology K410 absorbs the complete radiation up to 410 nm and thus reduces the air-conditioning costs.

Bleaching protection & Light protection up to 410 nm

The absorption of the short-wave radiation up to 410 nm ensures all-round protection against bleaching, yellowing and undesirable Changes or decomposition processes.

Contrast sharpness and contrast sensitivity

The edge filtering of the blue-violet portion down to 410 nm results in less stray light. This leads to improved sharpness and contrast sensitivity. Light-dark adaptation is considerably facilitated

Splinter protection

The elastic, transparent adhesive film between the two glass panes holds the splinters in place in the event of glass breakage.

Colourless & Durable

The laminated glass K410 retains its functionality even after 2000 hours of xenon radiation (accelerated ageing test). This ensures a service life of approx. twenty years under real conditions.

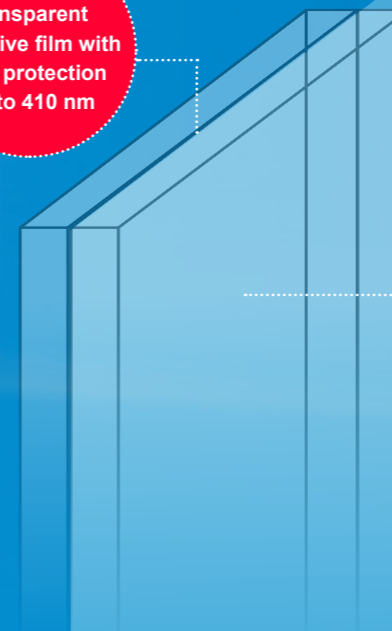
INSULATING GLASS

Dimensions: min. 200 x 200 mm

THINN GLASS

1 mm-laminated glass: up to 500 x 500 mm

Elastic,
transparent
adhesive film with
light protection
up to 410 nm



GLASS SHOWCASE

up to 3 mm - laminated glass: up to 800 x 800 mm
min. 4 mm - laminated glass: min. 200 x 200 mm

PICTURE GLASS

up to 3 mm - laminated glass: up to 800 x 800 mm
min. 4 mm - laminated glass: min. 200 x 200 mm

ANTI-REFLECTIVE GLASS

up to 3 mm - laminated glass: up to 800 x 800 mm
min. 4 mm - laminated glass: min. 200 x 200 mm

GLASS FOR RESTORATION & MUSEUM GLASS

up to 3 mm - laminated glass: up to 800 x 800 mm
min. 4 mm - laminated glass: min. 200 x 200 mm

STRUCTURAL GLASS

min. 5 mm - laminated glass: min. 200 x 200 mm

