



Applications

Schools, apartment buildings, office buildings, villas, stores etc, in need of burglary or vandal protection for increased security.

Product description

Hammerglass offers a unique nano-technology coating, resistant to chemicals and most acid attacks. Graffiti and dirt can be removed with solvents or graffiti remover. The unique surface coating even offers the glass a very high UV-resistance.

Hammerglass customized Project Windows can be manufactured in all types of insulating units. As the second and/or third pane, any glass on the market can be chosen: Float glass, Low E glass, toughened glass, laminated glass or Hammerglass. The production method allows full insulating glass warranty against condensation.

Security Class and certificate

Hammerglass customized Project Windows are approved according to EN 356 up to security class P7B (corresponds to Protection level 3).

Customized Project Windows

Most window manufacturers can now offer cost-efficient, energy-estimated window solutions with Hammerglass integrated in the glazing composition. Based on the requests for window types (inward or outward opening, fixed lights) and various materials (timber, aluminium, PVC, steel), Hammerglass AB can provide the right supplier for the right project.

Hammerglass customized project windows are delivered in either IGU of 3 panes or as 2+1 with the Hammerglass pane in a separate outer sash. Available in RAL and NCS colours.

Product specification guidance

Hammerglass is recommended as the outer pane. As middle pane/inner pane, any glass on the market can be chosen.

A U-value down to 0.65 in triple insulate units can be achieved. In triple insulating units, Hammerglass can even be used as the middle pane. Each window manufacturer can provide energy calculations based on glazing and window options.

In objects with particular risks of severe and repeated attacks, the middle pane may be broken even with an outer Hammerglass pane installed. In these cases, double glazing units, allowing a larger gap between the panes, are recommended.

Laser marking

All Hammerglass panes are laser marked with logo and serial number to provide a quality signal to our customers, and enable traceability for internal quality assurance and facilitate warranty issues.

Frame depth 83 mm/100 mm	Inward-opening windows 2+1	Inward-opening windows 3 panes	Fixed windows 3 panes
	 Example	 Example	 Example
Opening	Inwards	Inwards	---
Material window frame/sash	By choice	By choice	---
Surface treatment/Colour	By choice	By choice	By choice
Glazing unit	HmG06 in outer sash Security Class P7B	HmG06-14-FE4-16-FE4 Security Class P7B	HmG06-14-FE4-16-FE4 Security Class P7B
Noise reduction (dB)	R _w 41-48	R _w 35-39	R _w 33-46
U-value (W/m²K)	0,9-1,2	1,0-1,4	0,9-1,24