

What are the advantages of Histoglas ?

With our many years of experience with historic windows we have developed **Histofein 8mm**. A special insulating glass designed specifically for the unique problems associated with protected windows in historical buildings and monuments.

The advantages:

- preservation and enhancement of historic windows
- for single, composite, supplementary and box windows
- 30 year proven track record in historic window conservation.
- very low installation depth
- original glass optics with RT or CL - glass
- excellent thermal insulation
- improved sound insulation
- glass-dividing sash-bars possible
- no modification to the supplementary or box window
- extremely light
- original fittings can be used



Dörr Histoglas

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New!!

Histofein 8 mm

the extra thin insulating glass

for the restoration and upgrading of existing windows

to full-scale replication of historical windows



histoglas.de

Histoglas

For over 30 years Dörr HISTOGLAS has specialized in the development and use of unique insulated glass panes. We now present **Histofein**, an insulated glass pane with only 8mm thickness. Designed for use in protected windows, historical buildings, monuments or faithful reproductions from wood and steel.

With a **low thickness 8mm**, **Histofein** insulated panes are almost undetectable. Through the use of slightly wavy glass on the outside and painted spacers in the color of your choice between the panes, the new **Histofein** insulating glass is barely noticeable when compared to original single glazing. **Just so many single windows can be obtained.**

The residential value is increased by the high thermal and sound insulation and only through the operation of the original casement. Patterned glass, safety glass or UV-protective glass can be processed, even the original sash-bars are maintained.

If the special insulating glass is in-wrought in a box or compound window, a G U-value up to 1.0 W/m²K can be reached.



The Histoglas is available in following types:

| type | thickness* | insulation | sound-insulation* | glass-dividing sash-bars** |
|-------|------------|------------|-------------------|----------------------------|
| HF 8 | 8 mm | UG 1.9 | SSK 2 | lead, steel, wood |
| HF 10 | 10 mm | UG 1.5 | SSK 2 | lead, steel, wood |
| HF 11 | 11 mm | UG 1.3 | SSK 2 | lead, steel, wood |

* Values were determined by a recognized testing laboratory .
Shoot ** Width: 20 mm lead , steel 22mm , wood 24mm

historic windows

When installing **Histofein** the glazing rebates have to be slightly reworked in depth. The installation of the special insulating is matched with a specific technique, outside is sealed traditionally with a modified putty. Thereby is hardly a contrast to a single pane detectable.



The visible spacers between the panes can be painted in all RAL colors. **Histofein is extremely lightweight**, the weight changes over the single panes only slightly. The original fittings are only minimally loaded and can be used without problems.

With assessable effort inventory windows can be obtained and upgraded considerably. Both the thermal insulation (Ug 1.9 - 1.3) and the acoustic insulation will be greatly improved with **Histofein** compared with single panes. To improve the insulation effect still more the additional installation of a hose seal in the sash is recommended.

Composition of Histofein:

- Standard composition inside float glass
- Standard composition outside with historic glass optics RT
- handblown new glasses CL used
- original glasses applicable
- laminated safety glass applicable



Box and composite windows

When using **Histofein** to improve the thermal insulation value of the windows, depending on the situation, up to UG = 1.0 W / m² K can be reached.

reproduction of windows

Through the use of **Histofein** extremely narrow profiles of oak or pine wood with following views can be realized:

- glass dividing sash-bars as of 24 mm wooden and steel
- as of 20 mm lead
- casement from 45mm
- face plate from 70mm
- crossbars from 100mm
- weatherboard wing on the outside bottom
- drainage profile milled into wood frame below (without aluminum rain rail)



The design is according to test certificate driving rain-proof Class C. Hose seal in the sash available in white or brown.

Replicas may be made in detail to original models. This also applies to the fittings!



Histofein can be used up to the maximum achievable pane height of 1.00 m in width and 1.80 m in height!