



restauro[®] Classic

restauro[®] Light

Mouth-blown window glass

As an essential part of façades, windows play a major role in shaping the character of a building and reflect the specific features of the building period. For the authentic overall appearance of a historical façade, the role of the glass that is used should not be neglected.

The style of the handmade, mouth-blown, clear restauro[®] flat glass corresponds to the only glass that was available for window glazing from the Middle Ages to the beginning of the 20th Century. With its typical, slightly uneven surface, scattered little bubbles and streaks, the glass fits perfectly into the basic structure of the historical building. LambertsGlas[®] restauro[®] is the ideal complement to the original existing historic glass of a building. It can restore the stylistic unity of façades, window frames and glazing in an authentic manner which is often lost.

restauro[®] is purely a handcrafted flat glass.

restauro[®] is predestined for the true-to-life restoration of historic window and furniture glazing of the beginning of the 20th Century and earlier time periods.

restauro[®] has more or less pronounced distortions in the surface with scattered little bubbles and streaks which are the characteristics of mouth-blown glass.

restauro[®] is manufactured in different dimensions, glass thicknesses and with a slightly or pronounced distorted surface.

restauro[®] is used in preventive conservation as protective glazing.

restauro[®] can be produced with a slight tint to harmonise with existing, original glass, upon request. (restauro[®] Waldglas)

restauro[®] is available with additional tool marks worked into the glass surface to harmonise with the existing, original glass. (restauro[®] Extra)

restauro[®] can be processed as insulating glass as well as laminated glass. Moreover, it can be thermally toughened (tempered). Acoustic insulation glass is also possible.

LambertsGlas[®]

Glashütte Lamberts Waldsassen GmbH - Schützenstraße 1 - 95652 Waldsassen
Tel.: +49 (0)9632 / 9251-0 - Fax.: +49 (0)9632 / 9251-100 - info@lamberts.de

www.lamberts.de



Orangery of Festschloss Hof near Vienna; window glazing with greenish restauro[®] Waldglas in accordance with original glass fragments; installation 2006/2007



Ludwigsburg Residential Palace; built at the beginning of the 18th Century as a baroque castle; it served as the residence of the Duke of Württemberg temporarily; using restauro[®] Light 2mm in the entire castle complex; renovation 1992-2004



Frauenkirche Dresden; landmark, baroque monument building; destruction during World War II; reconstruction 1993-2005; installation of restauro[®] Classic



Eidsvoll Building, Eidsvoll (Norway); place of origin of the first Norwegian Constitution; window in the meeting room of the Imperial Assembly of 1814; using restauro[®] Classic; installation 2013

The production

Mouth-blown flat glass is real craftsmanship. At the Lamberts Glassworks, one of the last production sites worldwide, this glass is still produced using the centuries-old handcraft technology that has hardly changed through today.

Through the constant blowing and turning of blowpipes, glassmakers shape the viscous glass mass into an elongated glass balloon.

Cut open on both ends, the result is a glass cylinder which is slowly cooled, then cut lengthwise, and flattened after being heated once again.



Production of *restauro*[®] Classic
The elongated glass balloon is formed by simultaneously turning and blowing.



Production of *restauro*[®] Light
By additional swinging of the glass balloon in a deep pit, larger formats can be formed with slighter distortions in the glass surface.

restauro[®] Classic

mouth-blown window glass with pronounced distortions in the glass surface

	Distortions	Dimensions	Thickness
restauro [®] Classic 3mm	pronounced	60 x 90cm	ca. 3mm

restauro[®] Light

mouth-blown window glass with slight distortions in the glass surface

	Distortions	Dimensions	Thickness
restauro [®] Light 2mm	slight	85 x 100cm	ca. 2mm
restauro [®] Light 3mm	slight	80 x 90cm	ca. 3mm
restauro [®] Light 2mm Extra	slight	85 x 100cm	ca. 2mm
restauro [®] Light 3mm Extra	slight	80 x 90cm	ca. 3mm

In the case of *restauro*[®] Light Extra, tool marks and imprints can be deliberately incorporated during the production process, in order to emphasize the artisanal character of the glass even more. A clustering of irregularities (streaks) and inclusions (accumulations of tiny air bubbles) is also typical for this kind of glass.

restauro[®] Waldglas

mouth-blown window glass with a light tint to harmonise with historical, original glass

	Distortions	Dimensions	Thickness
restauro [®] Waldglas Classic 3mm	pronounced	60 x 90cm	ca. 3mm
restauro [®] Waldglas Light 2mm	slight	85 x 100cm	ca. 2mm
restauro [®] Waldglas Light 3mm	slight	80 x 90cm	ca. 3mm

As a result of impure raw materials, historical glass occasionally exhibits a largely greenish colour. *Restauro*[®] Waldglas is suitable to adequately complement existing glazing which is slightly tinted. It is available upon request and in different colours depending on the patterns.

The Glassworks



Lamberts Glassworks in Waldsassen, an industrial monument itself, is one of the last production sites worldwide which produces mouth-blown flat glass and, as such, ensures the continued existence of the traditional glass making technique. Being included in the list of Intangible Cultural Heritage underlines the importance of the work of the glass-makers. This hand-crafted flat glass was recognized and awarded at Europe's leading trade fair for conservation and restoration of monuments „denkmal Leipzig“ for special achievements in the European heritage preservation.