



# ROTHKEGEL

Glasgestaltung · Glasrestauration · Glastechnik · Leuchtenmanufaktur · Leuchtentechnik

## UV protection in historic buildings cannot be applied any more inconspicuously than this!

If you are concerned with UV and radiation protection for historic buildings, you are aware of the difficulty involved in implementing such measures as inconspicuously but also as effectively and durably as possible.

We offer you the solution!

For the choir loft crown window of the new minster in Würzburg, we engineered (on behalf of the Division for Construction and Art of the Diocese of Würzburg, in co-operation with the graduate engineer Rolf Sandner), a UV-protective glazing with a 1% transmission edge at 400 nm – according to the relevant requirements for museums – along with IR protection.



This innovative protection concept was implemented as leaded glass with traditional hand-blown antique panes and the familiar historic exterior view with a custom-planned glass structure.

From the exterior as well as from the interior, hardly any difference is detectable compared to the leading leaded glass – yet these panes absorb the hazardous UV radiation up to 400 nm (and with that, protect the Baroque altar image situated directly behind the window).

You will find neither an additional pane in front nor an adhered film! You see "only" a leaded glass in the view which has been familiar for centuries!

With that, this UV-protective glazing in the front practically does not differ from the other windows in the new minster.

The choir loft crown window (invisible from the inside) serves to guide light and naturally light the altar architecture to protect the rear altar wall, the leaded glass of the choir loft crown windows was fitted with an innovative UV- and IR-Protective glass which shields from harmful UV radiation and high energy entry.

We offer you individualised planning and conceptualisation of these and other specific glass and protective-glass structures. Just ask us!

Das von innen nicht sichtbare Chorscheitelfenster, dient der Lichtführung und der natürlichen Hinterleuchtung des Strahlenkranzes. Zum Schutz der Altarrückwand wurde die Bleiverglasung des Chorscheitelfensters mit einem innovativen UV++ und IR-Schutzglas als Bleiverglasung ausgestattet und schützt somit vor schädigender UV-Strahlung und hohen Energieeinträgen.



Der UV++Schutz der weiter denkt!

