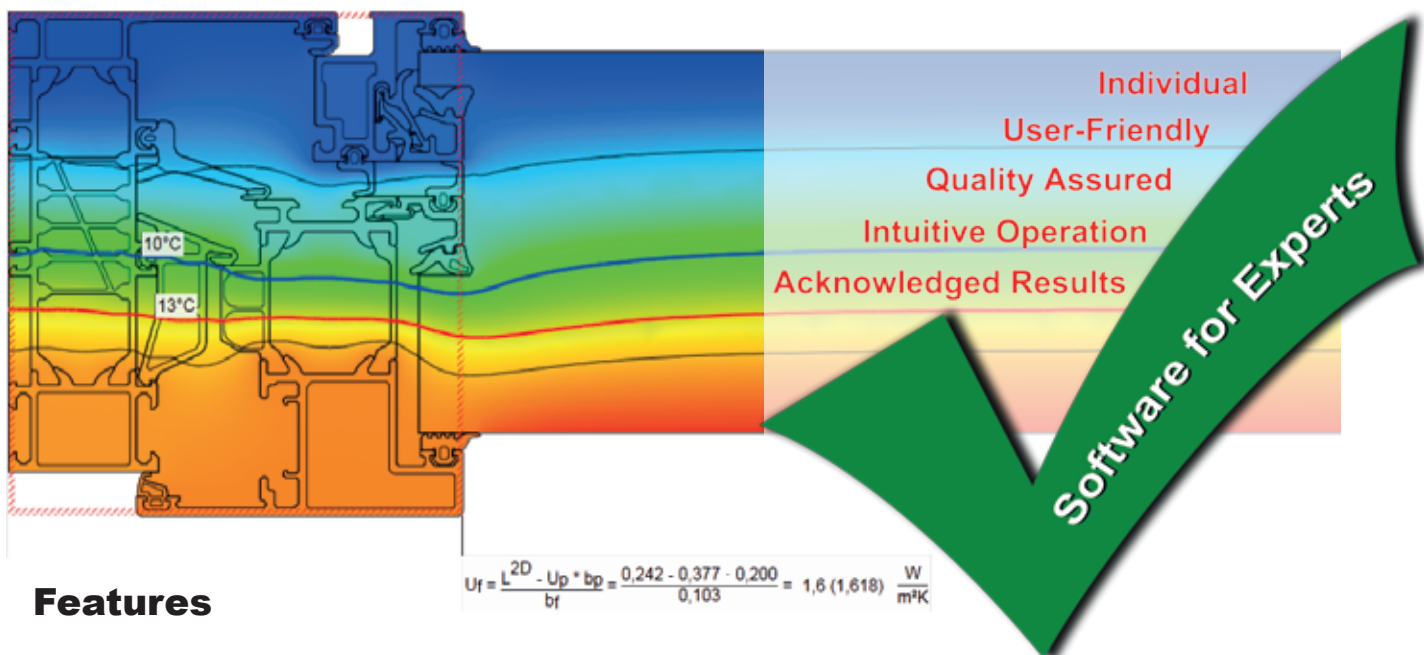


New version!
EN ISO 10077-2:2017

WINISO®

Calculating heat flows, thermal bridges, isotherms and U_f -values according to EN ISO 10077-2:2017.
 U_{fr} , U_{eg} - and U_{cg} -values according to ISO 15099 and NFRC

Imported CAD files can be analysed automatically and problems with the drawing are removed by the software. Therefore complex constructions and systems can be calculated within a short timeframe. Due to the integrated FEM calculating engine, results are determined very precisely.



Features

- ▶ Highly automated geometry processing of CAD files in .dxf and .dwg forma
- ▶ Detailed geometrics and efficient computation of inclinations and radii
- ▶ Automated material assignment based on CAD layers
- ▶ New solver and calculating engine with automated FEM-mesh generation
- ▶ Calculation according to „Radiosity-Model“ (new cavity model according to EN ISO 10077-2:2017) and equivalent thermal conductivity (EN ISO 10077-2:2012/2017)
- ▶ Simple definition of foils, coatings and surface characteristics by polylines
- ▶ Various mixable gas filling of the cavity according to EN 673
- ▶ Automatically determined U_f -values of windows and facade profiles
- ▶ Automated Ψ -values of thermal bridges and insulating glass spacer according to EN ISO 10211 and EN ISO 10077-2
- ▶ Certified by IFT Rosenheim as fully compliant for calculation according to ISO 10077-2:2017
- ▶ U_g -values of insulating glass units according to EN 673
- ▶ U -value computation of any construction
- ▶ Calculation of isotherms, surface temperatures and temperature factor
- ▶ Vapor diffusion calculation
- ▶ U_{fr} , U_{eg} - and U_{cg} -values according ISO 15099 and NFRC

