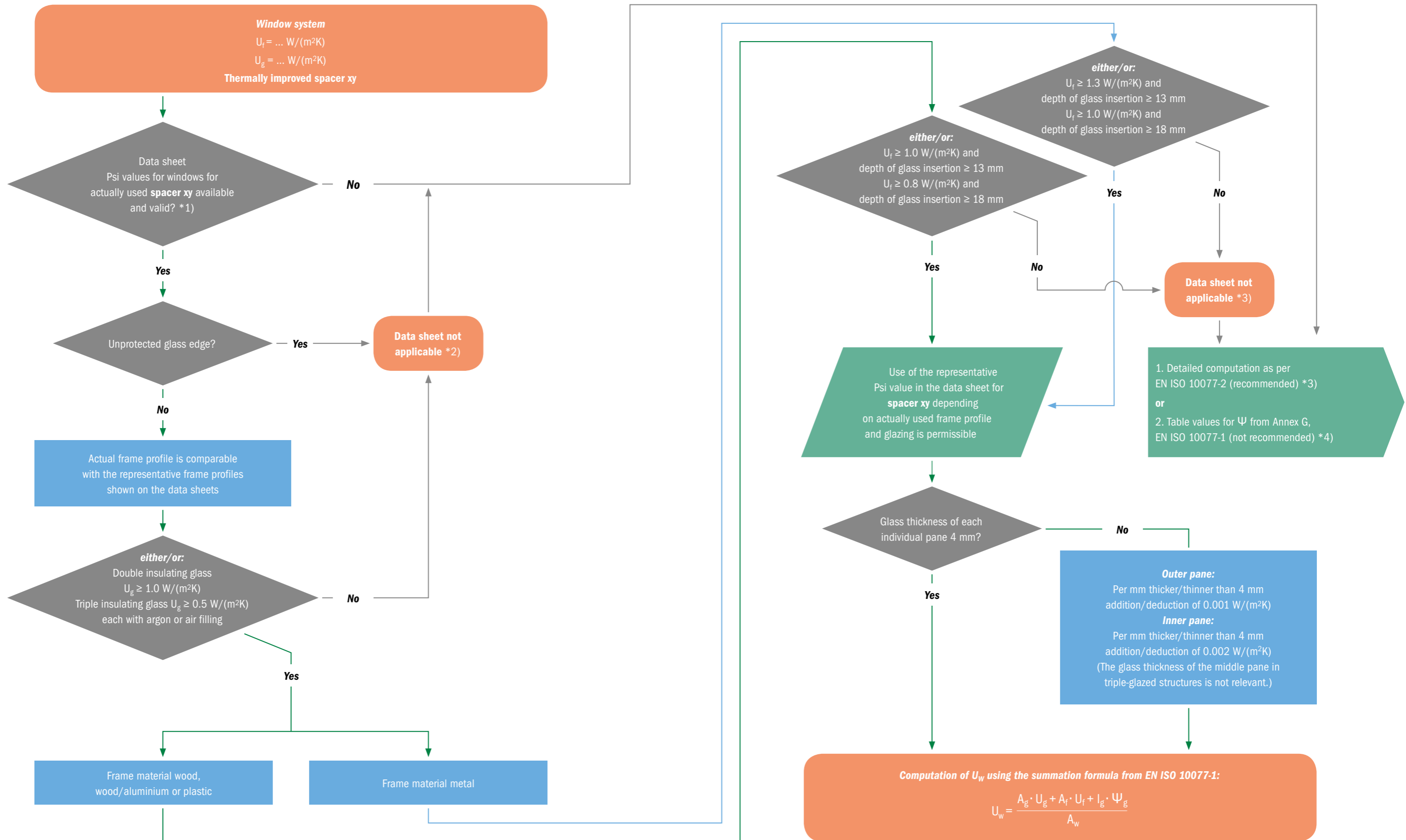


## ***Guide to 'Warm Edge'***

***Windows and facades***

***Brief instructions for data sheets Psi values for windows***



\*1) Verification of validity: Data sheets valid at the respective date must be activated on the homepage of BF Bundesverband Flachglas (see <https://www.bundesverband-flachglas.de/en/downloads/data-sheets/>).

\*2) In line with the specifications in the ift guideline WA-08/3 Thermally improved spacers Part 1: Determination of representative  $\Psi$  values for profile sections of windows.

\*3) For the detailed computation as per EN 10077-2 the so-called 2-Box Model is recommended for simpler modelling of the edge seal, using the equivalent thermal conductivity  $\lambda_{eq,2B}$  of the spacer. The value  $\lambda_{eq,2B}$  ascertained by measurement of an individual spacer system is indicated on the data sheet for Psi values of windows, bottom right in Box 2.

\*4) The table G.2 from Annex G in EN ISO 10077-1 with  $\Psi$  values for thermally improved spacer elements depending on the glazing type and the frame system must also apply for the worst spacer system that only just meets the definition of "thermally improved". They are therefore not very advantageous and do not exploit to the full the improvement potential of the warm edge.

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