















- Domestic hot water demand: 25 litres / person / day of 60 °C water; cold water temperature is 10 °C if no other national values have been specified by the Passive House Institute
- Average air flow rate is 20-30 m<sup>3</sup>/h per person in a household; use at least an air change rate of 0,3 times an hour applied to the treated floor area multiplied by 2.5 m of room height. The applied air flow volumes have to correspond with the actual values of the adjustment of the ventilation system.
- Domestic electric energy demand: use standard values of the PHPP; deviant values only with individual verification by the building owner or domestic electric energy concept respectively
- Thermal envelope: Use exterior dimensions without exception
- U-values of opaque building elements: PHPP-method on the basis of EN 6946 with rated value of the thermal conductivity following the national norm or the technical approval of the governmental authority in charge
- U-values of windows and doors: PHPP-method following EN 10077 with calculated rated values for window frame U-Value  $U_f$ , glass edge thermal bridge  $\Psi_g$ , and installation thermal bridge  $\Psi_{Installation}$
- Glazing: calculated U-value  $U_g$  (accuracy: two digits) following the EN 673 and g-value following the EN 410
- Efficiency of heat recovery: examination method of the Passive House Institute (refer to [www.passiv.de](http://www.passiv.de)); alternatively following the DiBt-method (German Institute for Building Technology) or equivalent subtracting 12% of the value
- Efficiency of the heat generator: PHPP-method or individual verification respectively
- Primary energy factors: PHPP data set