Heat Mirror

The latest in insulating glazing in 2007

EKO HELP
Our products help the environment protection.

Recommended for all types of roof glasses

INTERM TF PASIV

Let the sun in our homes and let the incident solar energy to change into pleasant heat of home

g = 60 %

U = 0,78 W/m²K

Trade name	Tvis (%)	g (%)	noise reduct (db).	Tvis/g	RHG W/m²	t_1	t_2	fill	coefficient U acc. EN (W-m²k / width of glazing							
									frame 2x10mm		frame 2x12mm		frame 2x14mm		frame 2x16mm	
INTERM TF PASIV 70/60	70	60	34	1,1	462	-13,7	15,8	argon					0,9	37	0,9	41
								krypton	0,8	29	0,78	33				
INTERM TF PASIV 70/50	66	54	34	1,2	394	-14,1	17,1	argon					0,8	37	0,7	41
								krypton	0,7	29	0,6	33				

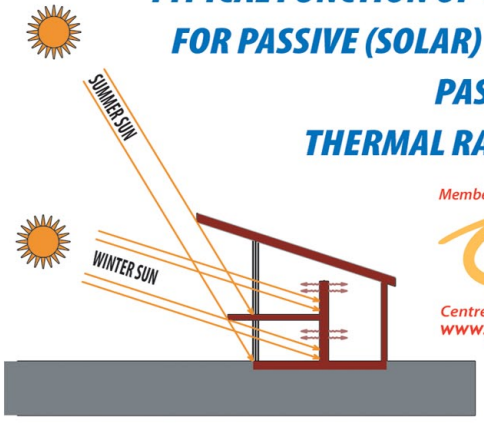
legend * important recommended value

(calculated according to Window 5 software)

ČESKÝ VÝROBEK

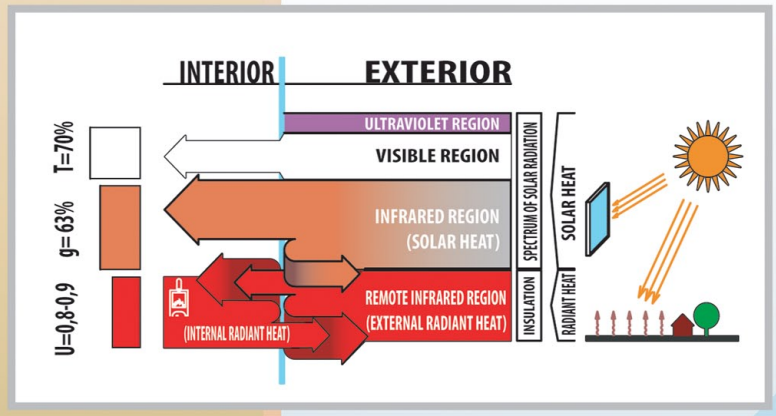
Passive houses are designed in such way, so that they can receive and utilize solar energy and so the properties of the glazing are at most subordinated to solar gain, even at the expenses of relative deterioration in insulting ability.

TYPICAL FUNCTION OF GLAZING FOR PASSIVE (SOLAR) HOUSES, PASSAGE OF THERMAL RADIATION



Member of association
Centre of passive houses
www.pasivnidomy.cz

PASSIVE HOUSES- TRANSMISSION CHARACTERIZATION



It is proceeded from the assumption, that in the case of correct design of the structure, including suitable chosen orientation and extent of glazing, achieved solar energetic gains exceed noticeably the losses caused by worse insulating ability, because the intensity of thermal flow from solar radiation runs up to 1000 W/m2s at our latitude. In summer months, solar gains would bother, because they could cause immediate overheating of the interior. Thus, the buildings are designed in such way so that they utilize natural changes of sun height in summer and winter months: Glazed walls are shaded against high position of summer sun and on the contrary, the glazing is exposed to low winter sun in full extent and the energy transmits into interiors only with slight regulation, and here the solar gains are accumulated, for example in accumulating wall. When there is no sunlight, the accumulated energy is released back to interior. Only insulating glass units with thermal films are able to offer above standard insulating ability even in the case of such high solar gain.

...more than a glass

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