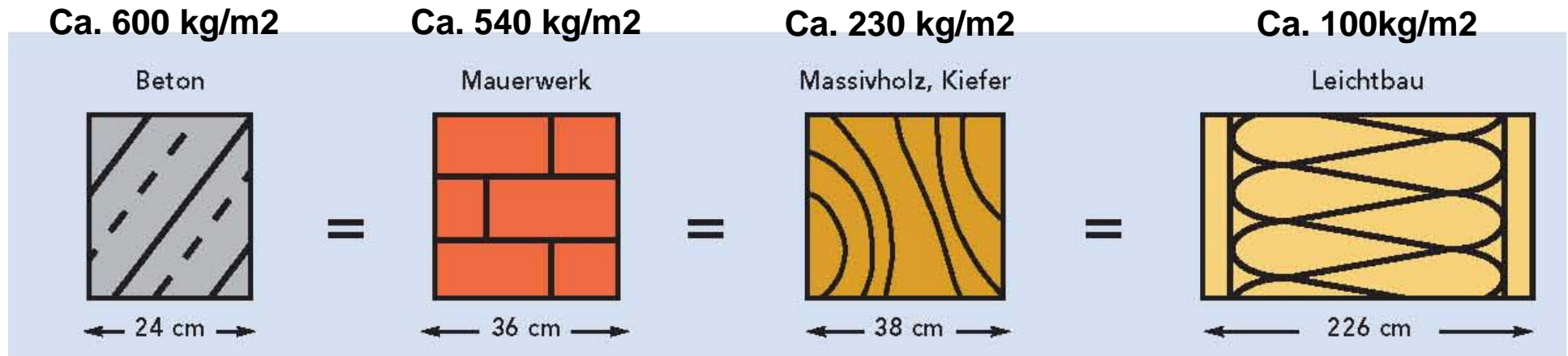
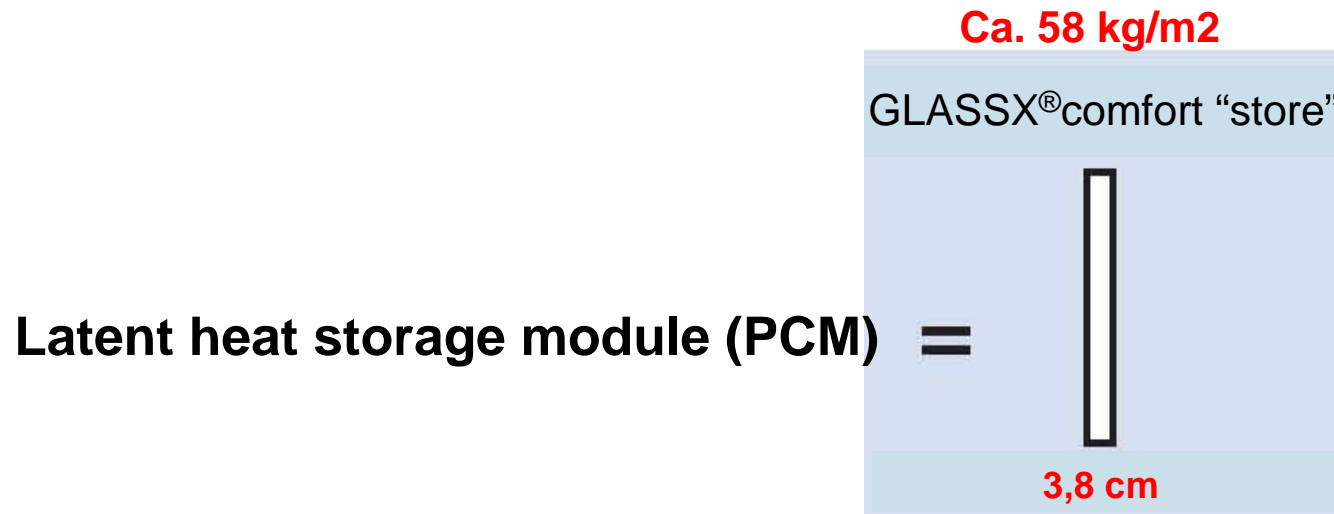


Thermal mass, thickness and weight



Schichtdicke unterschiedlicher Materialien bei einer Wärmespeicherkapazität von 5700 kJ (Temperaturerhöhung um 10 °C).



GLASSX[®]crystal :

Measurements taken at the building

Winter

Low time

Peak time

Ambient air temperature

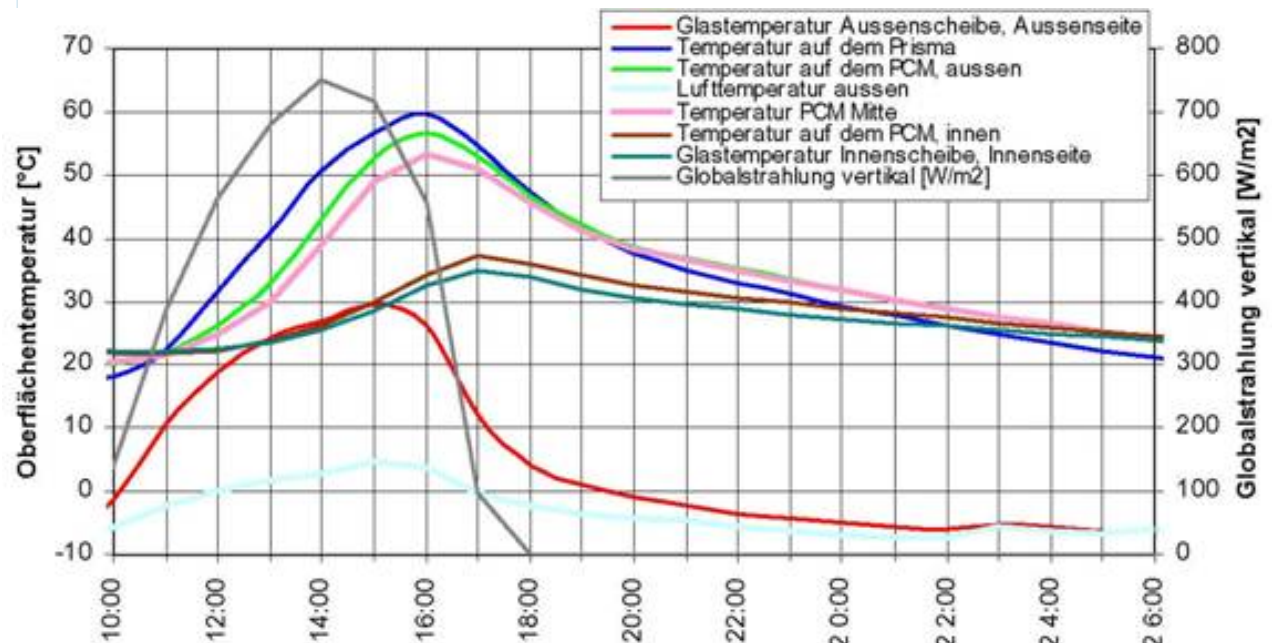
- 8°C 5:00 am

+ 4°C 3:00 pm

Inside pane temperature

+ 23°C 10:00 am

+ 35°C 5:00 pm



GLASSX[®]crystal

Measurements taken at the building

Summer

Peak

time

Low

time

Ambient air temperature

+ 30°C

5:00 pm

+ 14°C

6:00 am

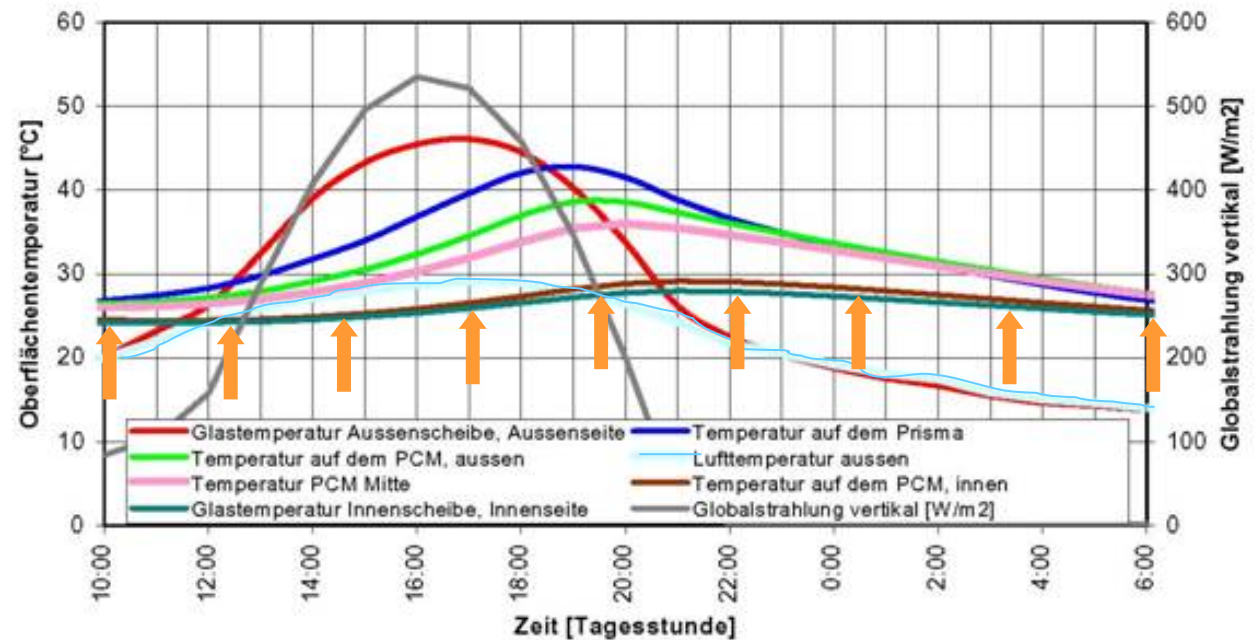
Inside pane temperature

+ 27°C

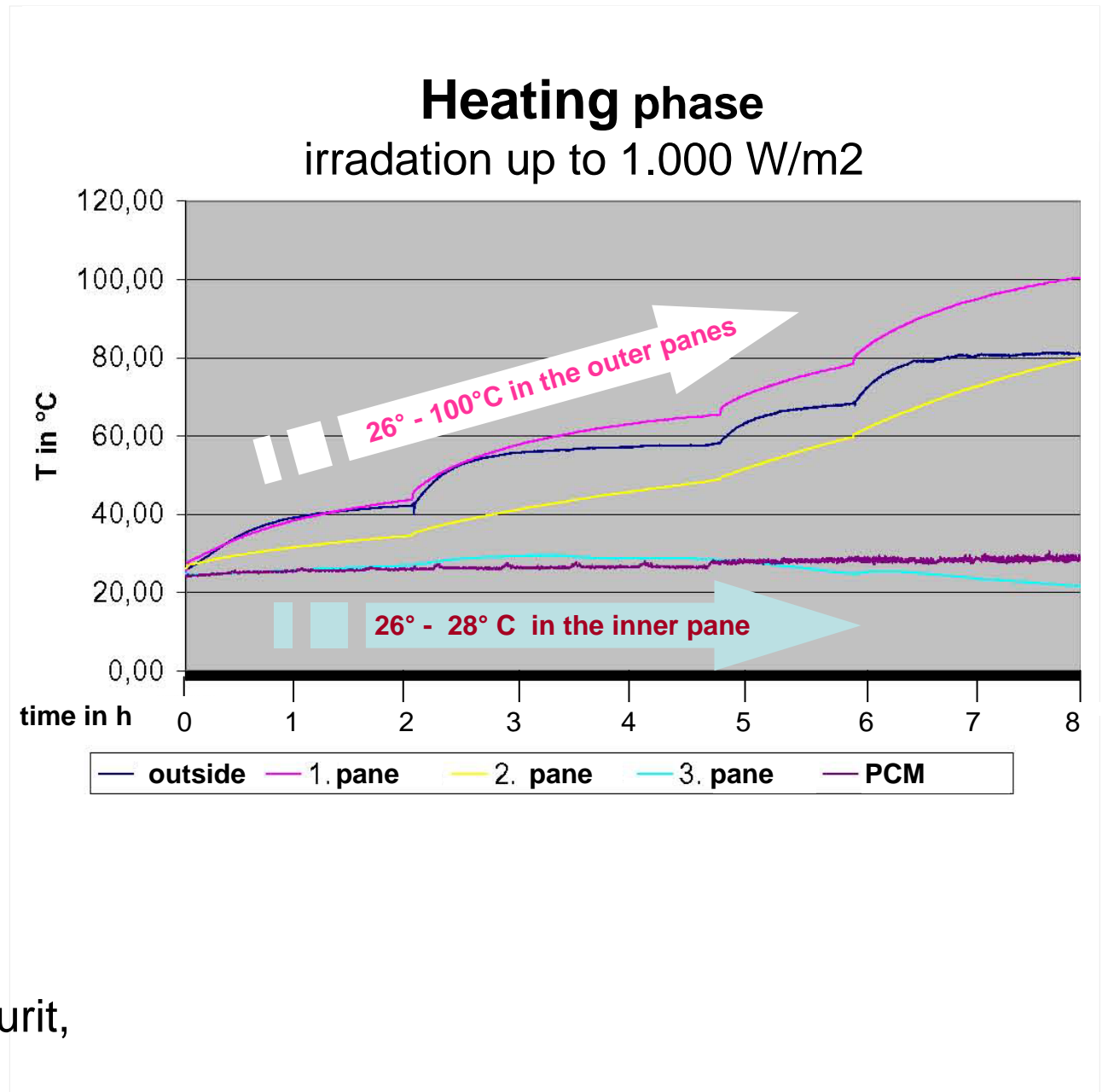
9:00 pm

+ 23°C

6:00 am



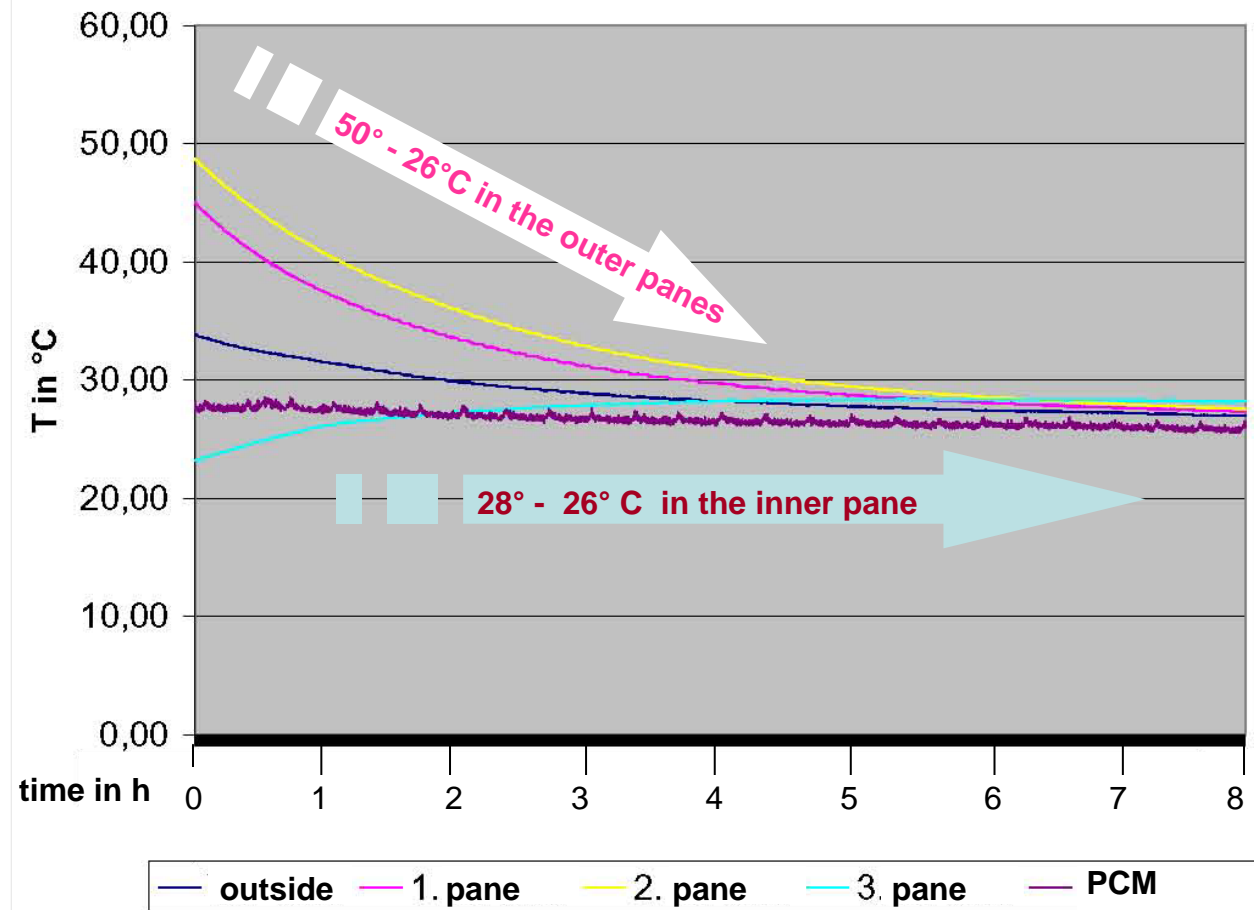
GLASSX[®]crystal



Measurement of the PCM
by R&D Saint Gobain Securit,
Herzogenrath

GLASSX[®]comfort

Cooling phase



Measurement of the PCM
by R&D Saint Gobain Securit
Herzogenrath

GLASSX[®] crystal instead of an opaque wall construction, relating to the annual heating consumption



Comparative Analysis by the HTA Luzern

Vergleich $Q_{h, eff}$ nach Norm SIA 380/1

Project: Alterswohnungen Domat/Ems

