

The multifunctional protection against heat radiation, hailstorm and fall-through

VARIO-PROTECT

Shading system VARIO-PROTECT made of aluminium slats for protection against:

- climatic conditions
- "fall-through"
- external fire

Technical data of the shading system VARIO-PROTECT:

- max. weight approx. 0,08 kN/m², no limitation of the SHEV functionality
- light transmission Ltr incl. glazing max. 23%
- heat transfer g-value from 13% up to 32%
- covered area for slat distance:
 - 60mm: 45%
 - 120mm: 25%
- aluminium profiles mounted in floating configuration as evenly spaced slats
- optional powder coating according request (standard RAL)



Product advantages of the shading system VARIO-PROTECT:

- effective external shadowing to prevent dazzling effect and to reduce cooling loads
- convenient light control for the different positions of the sun depending on time of the day and season
- variable equipment for adaption to the individual conditions on site
- additional protection of the glazing against hailstorm
- protects the glazing effectively against exterior effects of weather
- replacement of single slats is possible
- the backside ventilation of the slats prevents congesting heat
- the system for reliable protection of barrel vault and saddle rooflights and slanted roofs

Product advantages of the VARIO-PROTECT

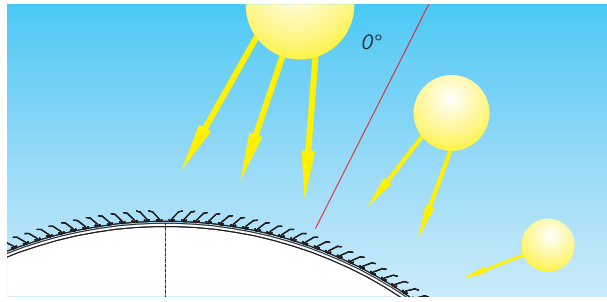
fall-through protection:

- permanent, fully effective "fall-through protection" to ensure traffic safety on roofs according to valid standards and regulations (e. g. DIN 4426:2017-01 und ASR A2.1)
- fall-through protection according to GS-BAU-18:2015 with DGUV test certificate
- in case of roof elements that are protected by the use of VARIO-PROTECT it is possible in most of the cases to renounce the establishment of a rescue concept for rescue from the height
- for the building operator who is responsible for the safety to traffic the application of VARIO-PROTECT means a significantly lower level of liability risk

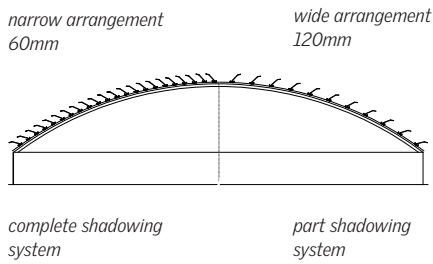
The shadowing system VARIO-PROTECT

Photometric explanations:

The intelligent profile design prevents on one hand the glare effect and the heat input that is depending on time of the day and season and on the other hand it supports the light entry at low positions of the sun.

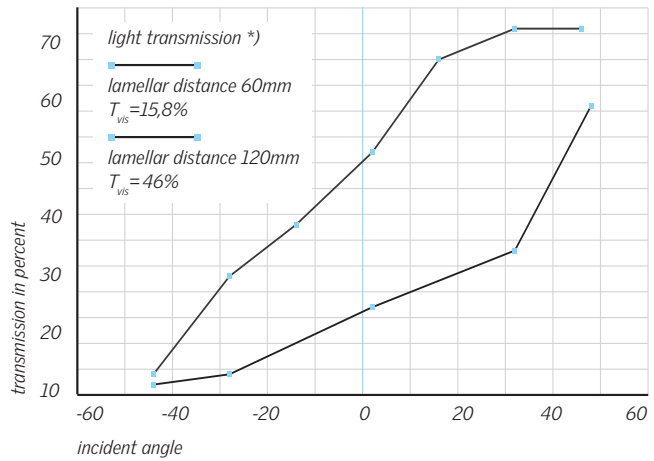


Angle dependent transmission

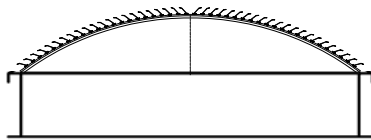


Note:

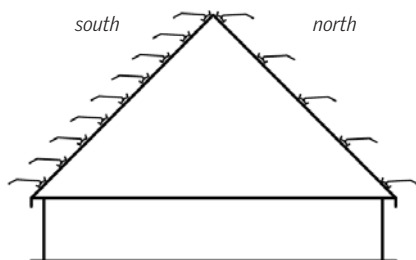
*) The photometric value T_{vis} given from an incident angle of 0° (see diagram) and therefore with an angle of 90° on the supporting structure. In case of low positions of the sun that depend on time of the day and season, the light transmission is partially increased significantly.



Application samples



VARIO-NORM / VARIO-THERM



VARIO-THERM-S

